DOCUMENT RESUME

ED 283 412 HE 020 326

TITLE	External Studies 1985. Part 1, General Information [and] Part 2, Statistical Information. Third Annual Report of the External Studies Review Group.
INSTITUTION	Western Australia Post Secondary Education Commission, Nedlands.
REPORT NO	ISBN-0-7244-6509-X
PUB DATE	85
NOTE	108p.
PUB TYPE	Statistical Data (110) -- Reports - Descriptive (141)
EDRS PRICE	MF01/PC05 Plus Postage.
DESCRIPTORS	*College Programs; College Students; *Distance Education; *Enrollment Trends; *Extension Education; Foreign Countries; Postsecondary Education; *Student Characteristics; Telecommunications
IDENTIFIERS	*Australia (Western Australia)

ABSTRACT

The 1985 annual report on external studies in Western Australia is presented. Progress within each of five post-secondary institutions is briefly reviewed, with attention to efforts to increase the use of new technologies, improve the quality of resource material and production facilities, and extend the availability of learning opportunities to remote areas. For the five institutions, data are provided on 1984-1985 student enrollments by: student age and mode of study (fully external mode or mixed mode); study mode and field of study; and the students' home address (metropolitan or country areas) and mode of study. The percentage of males and females at each school is also reported. The following areas of concern are also discussed for each institution: institutional monitoring systems, credit transfer, library provision, telecommunications, inter-university enrollment in the external mode, and national cooperation. Degree and diploma programs and courses at each school are listed. The schools are as follows: Murdoch University, University of Western Australia, Western Australian Institute of Technology, Western Australian College of Advanced Education, and Technical Education Division of the Education Department. (SW)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED283412

Western Australian Post Secondary Education Commission

EXTERNAL STUDIES 1985

PART 1

General Information

Third Annual Report of the External Studies [illegible]

HE 020 326

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

This document has been reproduced as received from the person or organization originating it.

Minor changes have been made to improve reproduction quality.

Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

Western Australian Post Secondary Education Commission

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

BEST COPY AVAILABLE

WESTERN AUSTRALIAN POST SECONDARY EDUCATION COMMISSION

EXTERNAL STUDIES 1985

PART 1

GENERAL INFORMATION

Third Annual Report of the External Studies Review Group

NOTE: Statistical information and details of courses available in the external mode are provided in Part 2 of the Report.

ISBN 0 7244 6509 X (Set)
ISBN 0 7244 6510 3 (Part 1)

Members of the External Studies Review Group 1985

Dr W A Pullman (Chairman)	Western Australian Post Secondary Education Commission
Mr D Briggs	Western Australian College of Advanced Education
Mr R Farren	Technical Extension Service of the Technical Education Division (Education Department of W A)
Mr P Guiton	Murdoch University
Dr M Smith	University of Western Australia
Mr E Styles	Education Department of Western Australia
Dr J Walsh	Western Australian Institute of Technology
Ms D Baruffi (Secretary)	Western Australian Post Secondary Education Commission

PART ONE

General Information

CONTENTS PAGE NO

Members of the External Studies Review Group ..... (i)

Introduction 1

Teaching Developments 1985 3

Murdoch University 3

University of Western Australia 3

Western Australian Institute of Technology 4

Western Australian College of Advanced Education 5

Technical Education Division of the Education Department 7

Evaluation of Statistical Trends 1984/1985 8

Current Areas of Rationalization 23

Institutional Monitoring Systems 23

Credit Transfer 25

Library Provision 27

Telecommunications 30

Inter University Enrolment in the External Mode 32

National Co-operation 33

Conclusion 34

INTRODUCTION

Distance education, external studies, correspondence learning describe a system of 'off-campus' teaching/learning strategy developed to assist persons who cannot attend 'on campus' learning whether it may be due to work or family commitments, physical disability or geographical remoteness from study centres. Internal students also now have the opportunity to participate in this alternative mode of study.

In Western Australia, Murdoch University, the Western Australian Institute of Technology, the Western Australian College of Advanced Education and the Technical Extension Service of the Technical Education Division of the Education Department of W A, all provide award courses in external studies. The University of Western Australia while not providing courses in external studies offers community education programmes each year in addition to the Annual Summer School.

In Western Australia institutions providing external studies units have taken positive action to direct the nature and extent of their offerings in the interests of providing an efficient and cost effective mode of teaching/learning strategy geared to the needs of their students.

This positive action is in keeping with the Commonwealth Tertiary Education Commission Review of Efficiency and Effectiveness. As part of this Review the CTEC Standing Committee on External Studies has prepared advice to the Review Committee on the possibilities of rationalization of offerings and achieving greater economies of scale in external studies. Members of the External Studies Review Group (W A) have therefore agreed that the focus of the 1985 Report will outline current areas of rationalization occurring in external studies in Western Australia.

The section on "Teaching Developments", outlines individual progress taking place within each institution and illustrates initiatives taken by the Institutions to provide a comprehensive service for their students through increasing use of new technologies, improvements in the quality of resource material and improvements in production facilities. It also reflects the extension of the availability of learning opportunities to remote areas.

In the section entitled "Rationalization in External Studies" rationalization is illustrated in a number of areas, for example in the monitoring and planning of external studies units. Inter-sectoral co-operation is highlighted through the availability of avenues of credit transfer for students wishing to study elsewhere. This spirit of co-operation is further highlighted in relation to telecommunications. The need for close collaboration between educational sectors and between educational institutions in developing the uses of communications technology is described in The External Studies Report for 1984, Part 1. New developments in this field have been further extended in the 1985 Report. "Library Provision" illustrates both the co-operation and value of providing external students with access to a wide range of resource material which is of primary importance in this type of individual orientated method of study. In addition this type of co-operation is not confined to institutions within Western Australia as can be seen in the section entitled "National Co-operation".

Since rationalization is a major issue the theme will be further extended for the 1986 Report.

TEACHING DEVELOPMENTS 1985

Murdoch University

In 1985, twenty-five of Murdoch University's awards at undergraduate and post-graduate level were available to students enrolling in the external mode. In developing such a wide range of two-mode Programmes the University is fulfilling two of its long standing educational objectives:

> "to open opportunities to benefit from a University experience to those who are, or who have been disadvantaged by an inability to participate in a regular programme of University study"
>
> and
>
> "to provide a liberal and relevant education for a varied range of students (some of whom will be external) drawn from a wide range of age groups and from many walks of life".

Because of the close integration of Programme availability and course unit content in the internal and external modes increasing numbers of students are taking advantage of the opportunity for 'mixed mode' study. In a State like Western Australia where many people spend varying periods of time on "country postings" the ability to switch readily from campus to home based study and back without forfeiting progress or continuity is most important. For metropolitan residents 'mixed mode' enrolments reduce the need for work release whilst maintaining provision for regular campus contact.

University of Western Australia

As a result of the success of the 1984 programme of non-award distance education, the University Extension expanded its provision of courses for 1985. These units are franchised from the Darling Downs Institute of Advanced Education. During the Autumn, Winter and Spring Community Education Programmes 28 units were offered (including repeats) for a total of 542 enrolments. These were:

Courses	Repeated
. Practising Academic Skills Successfully	3 times
. Books and Children	twice
. Getting Started - A Parent's Guide to preparing your Child for School	twice
. Taxation Law	twice
. Sales Management	twice
. Accounting I	twice
. Programming and Flow charting	
. Mineralogy and Petrology: A Guide to the Identification of Rocks and Minerals	
. Hydroponics	3 times
. Marketing and the Law	
. Basic Legal Concepts and Contract Law	
. Understanding Economics	
. Experimental Electronics	
. Modern Asian Fiction	
. Your Baby	
. Modern Batik Techniques	
. Organizational Behaviour: Developing Management Skills	

University Extension conducted a Needs Assessment of the continuing education requirements of dentists in Western Australia. The aim of the project was to assess the demand, content and acceptable format of the continuing education requirements of dentists in the non-metropolitan areas, then to develop the most appropriate mode of instruction to service these needs.

The sharing of the costs of the appointment of an Extension Officer formalized an arrangement between University Extension and Murdoch University to co-operate in the provision of community and continuing education for Murdoch University. University Extension provides the professional and administrative support for the programmes. The first project organized was the successful "Just for Kids - Summer at Murdoch". In 1986 the feasibility of producing jointly developed non-award distance education units will be investigated.

Western Australian Institute of Technology

1985 was a year of consolidation at WAIT with emphasis on increased productivity and efficiency. The Centre is fully equipped with word processors and most operations are computerized. The outstanding exception is the despatch and receipt of assignments and this is the next target for computerization. A number of positive steps have been taken to improve the quality of

resource materials and the quality of teaching. A major review is currently being undertaken to review course materials. Some funds have been made available to Schools for course writing and cooperation between tutors and External Studies staff in this review has been excellent.

Questionnaires have been prepared for 1986 use to gather information on the reasons for student withdrawal.

In 1985 WAIT contracted to six regional centres a number of its courses. The courses included:

Bachelor of Business
Bachelor of Arts (Fine Arts)
Bachelor of Applied Science (Nursing)
Bachelor of Business (Agriculture)
Associate Diploma in Agriculture
Diploma of Teaching (TAFE)

The number of courses contracted in any one centre ranged from one to four. The Bachelor of Business and Bachelor of Arts courses were available only at first year level. There were some 140 students studying WAIT courses under contract in 1985.

The presence of contract students in regional centres has led to better library holdings, better computer facilities, and to heightened staff interest. All of these outcomes have also been to the benefit of the local external student.

No new courses were introduced in the external mode in 1985. The Institute - wide efforts to reduce contact hours and electives is expected to gradually reduce the number of units available in the external mode.

Western Australian College of Advanced Education

The Extension Service of the WA College serves as the centre of all off-campus instruction for students studying in the external mode as well as offering a wide range of Community-oriented courses and activities which are self-

supporting. In addition, at the end of 1985 the full responsibility for all continuing education activities in the College was transferred from the various Schools of Study to the Extension Service.

Eleven tertiary Award courses were offered fully in the external mode in 1985, as well as two pre-tertiary courses for people of Aboriginal descent. Some 250 individual units were made available to in excess of 1500 students who were enrolled at some time during the year.

The Extension Service has been heavily involved in 1985 in revising existing units and in producing new units consequent upon a major restructuring of the College's teacher education courses. A new Graduate Diploma in Translating/Interpreting in German was introduced at the beginning of 1985 and is unique in Australia. This course provides students with the recognition by the National Accreditation Authority for Translators and Interpreters for Level 3 qualification in the field.

The enclave for trainee teachers of Aboriginal and non Aboriginal descent at Broome continued to function successfully with external studies materials supplemented by on-site tutoring. The course came to completion at the end of the year and a new enclave, identically organized commenced at Carnarvon at the beginning of the year with 25 students. A further extension of this activity was mooted for 1986 in a centre in the North West or Kimberley region of the State.

During 1985 the Extension Service contracted a number of its courses to regional Colleges at Albany, Hedland, Kalgoorlie and Karratha particularly in the areas of Computing, library media and education. Some 102 students took advantage of contracting arrangements.

The Community programmes offered by the Extension Service on a totally self-supporting basis cover a wide range of community interests including a locally certificated course for teacher aides. In 1985 the College offered 175 courses involving over 3000 participants.

The Technical Education Division of the W A Education Department

At the Technical Education Division there is a growing interest in the use of external studies material as resource material for class attendance students, as well as for supervised correspondence classes.

In addition, Technical Education Division materials are being used to provide mixed mode offerings in District High Schools which cannot provide an adequate range of subjects for students who have completed Year 10.

The learning programmes for all subjects offered by Technical Extension Service are now catalogued and available for sale. Demand for the programmes is increasing, as is the demand for the texts produced by the Technical Publications Trust.

Class attendance students who wish to do so may purchase both texts and learning programmes for their own use, but may not submit assignments for marking. Students enrolled in the external mode receive their learning programmes free of charge.

The development of on-site programmes available through the Mobile Resource Unit continues and is being enhanced by the addition of pre-course and post-course material in printed form. Pre-course material has tended to reduce the time spent on the introductory phase of the intensive course, while post-course material is intended to serve as a revision and reinforcement aid.

EVALUATION OF STATISTICAL TRENDS 1984/1985:

Tables 1-5 Student Enrolments by Age and Mode of Study

TABLE 1 : Student Enrolment by Age and Mode of Study

University and Advanced Education

Sex Profile:

In 1984 females comprised 52.2% of the total numbers of students in both fully external and mixed modes of study. In 1985 this trend continued with females comprising 53.3% of total students.

Age Profile

In 1984, the largest proportion of students enrolled in both fully external and mixed mode were found in the 20-29 age category (37.1%). This trend continued in 1985 with 37.1% of students located in this age category.

Mode of Study

Three quarters of students in external study in 1984 (75.1%) were found in the fully external mode. Similarly in 1985 75.7% of the students were found in the fully external mode.

Total Numbers of Students

There has been a slight increase in student numbers in 1985 in both fully external and mixed modes of study.

INDIVIDUAL INSTITUTIONAL TRENDS

TABLE 2: Student Enrolments by Age and Mode of Study

Technical Extension Service

Sex Profile

The Technical Extension Service in 1984 had a predominately male profile, with males comprising 65.7% of the total persons enrolled. In 1985 there was a similar trend with males comprising 62.2% of the total number of persons enrolled.

Age Profile

In 1984 the majority of students both males and females were found in the 20-29 age category, comprising 39% of the total. In 1985 this trend continued with students in the 20-29 age category comprising 40.3% of the total.

Mode of study

Note : Students at the Technical Extension Service have been classified as fully external.

Total Numbers of Students

Overall enrolments have increased significantly from 7011 to 11 100 (63.2%).

TABLE 3: Student Enrolments by Age and Mode of Study

Murdoch University

Sex Profile

Murdoch University in 1984 had slightly more females than males with females comprising 52.0% of the total number of persons enrolled in both fully external and mixed mode. In 1985 this trend continued with females comprising 51.7% of the total persons enrolled in both fully external and mixed modes.

Age Profile

In 1984 the largest proportion of students enrolled in both fully external and mixed mode were found in the 30-39 age category comprising 36.7% .In 1985 a change had occurred with most students located in the 20-29 age category comprising 37.6% of the total.

Mode of Study

Most students in external study in 1984 (70.2%) were found in the fully external mode. This trend continued in 1985 with three quarters of students found in this mode of study (74.5%).

Total Numbers of Students

Student numbers in fully external and mixed mode have increased slightly resulting in an increase in total student numbers . Most growth has occurred in female numbers from 1984 to 1985.

TABLE 4: Student Enrolments by Age and Mode of Study

Western Australian Institute of Technology

Sex Profile

WAIT had a predominately male profile for 1984 with males comprising 54.9% of the total persons enrolled in both fully external and mixed mode. In 1985 this trend remained constant and males continued to dominate student numbers, comprising 55.7% of the total.

Age Profile

In 1984 the age group recording the highest number of persons enrolled in both fully external and mixed mode (total) were found in the 20-29 age group comprising 40.1% of the total number of persons in all age categories. In 1985 most students were located in the 30-39 age group comprising 36.5% of the total number of persons in all age categories.

Mode of Study

In 1984 most students were enrolled in the fully external mode comprising 68.4% of total enrolments. Most females enrolled in mixed mode study while most males tended to enrol in the fully external mode. In 1985 these trends continued with 65.9% of students enrolled in the fully external mode. More males than females continued to enrol in this mode while more females than males tended to prefer mixed mode.

Total Numbers of Students

A very slight decline in total student enrolments has taken place in 1985 because of a decline in the numbers of students in the fully external mode. A slight increase has been noted in the mixed mode category in 1985.

TABLE 5: Student Enrolments by Age and Mode of Study

Western Australian College of Advanced Education

Sex Profile

The W A College in 1984 had a predominately female profile, with females comprising 62.9% of the total number of persons enrolled in both fully external and mixed mode. In 1985 the proportions were similar with females comprising 67% of the total number of persons enrolled in both modes of study.

Age Profile

In 1984 the age group recording the highest number of persons enrolled in both fully external and mixed mode totals was found in the 20-29 age category comprising 34.1% of the total number of persons in all age categories. In 1985 this trend continued with the 20-29 age category comprising 38% of the total number of persons in all age categories. (It should be noted that there are very little differences between the 20-29 and 30-39 age category for both the years 1984 and 1985).

Mode of Study

In 1984 91.2 % of students were studying in the fully external mode .This trend continued in 1985 with 90.0 % of students electing to study in this mode .Students studying in mixed mode have remained constant over the period 1984-1985 .

Total Numbers of Students

There was a slight increase in total student numbers in 1985. Increases were however fairly evenly distributed over both modes of study.

Tables 6 to 11 Student Enrolments by Address of Home Location and Mode of Study

TABLE 6: Student Enrolments by Address of Home Location and Mode of Study

University and Advanced Education

Address of Home Location

In 1984 most students had their home address listed within the metropolitan area comprising 52.2% of the total number of students enrolled. Country areas (Rest of W A) accounted for 29.0% while the category "Other" accounted for 18.8%.

In 1985 trends were similar, most students had their home address listed within the metropolitan area comprising 55.3%. Country areas accounted for 22.8% while "Other" comprised 21.9%.

Total Numbers of Students

There has been an increase in student numbers in both fully external and mixed mode in 1985. While most students within the metropolitan area continue to use the fully external mode of study a significant proportion of internal students are choosing to use the mixed mode of study. In both the country areas and "Other" students have continued to prefer the fully external mode of study.

TABLE 7 Student Enrolments by Address of Home Location and Mode of Study

Technical Extension Service

Address of Home Location

In 1984 the highest proportion of students had their home address within the metropolitan area, comprising 50.7% of the total number of students enrolled, country areas (Rest of W A) accounted for 42.3% while "Other" comprised 6.9%.

In 1985 these trends were similar, the highest proportion of students had their home address within the metropolitan area comprising 58.2% of the total, country areas accounted for 34.0% while "Other" comprised 7.8%. The Technical Extension Service receives most of its interstate students from New South Wales.

Significant changes have taken place in the total numbers of students enrolled by address of home location. 1985 figures reflect a 102.2% increase in total numbers of students enrolled.Students having their home address listed within the metropolitan area increased by 132.0% while country areas experienced a 62.3% increase and "Other" increased by 127.2%.

TABLE 8: Student Enrolments by Address of Home Location and Mode of Study

Murdoch University

Address of Home Location

In 1984 the highest proportion of students had their home address within the metropolitan area, comprising 67.2% of the total number of students. Country areas (Rest of W A) accounted for 20.5% while "Other" comprised 12.3%.

In 1985 these trends were similar, the highest proportion of students had their home address within the metropolitan area comprising 65.2% of the total, while country areas accounted for 15.7% and "Other" 19.1% .

Murdoch University received most of its interstate students from New South Wales.

It should be noted that in 1985 it was not University policy to enrol,in the external mode,overseas students resident in their own country. However students are required to nominate their country of permanent residence and some overseas students have been identified from this information and are collectively listed in the category "Overseas".

Total Numbers of Students

Slight changes have been recorded in 1985. Students having their home address located within the metropolitan area have increased slightly together with country areas while the category "Other" has shown a significant increase.

TABLE 9: Student Enrolments by Address of Home Location and Mode of Study

Western Australian Institute of Technology.

Address of Home Location.

In 1984 the greatest proportion of students had their home address within the metropolitan area,comprising 57.3%. Country areas collectively accounted for 29.0% while "Other" accounted for 13.3 and "Not Stated", 0.4%. In 1985 these proportions were similar, 61.1% of students had their home address listed in the metropolitan area. Country areas accounted for 26.3% while "Other" accounted for 12.6%.

WAIT received most of its interstate students from New South Wales and South Australia while most overseas students came from Malaysia.

Total Numbers of Students

In 1985 a slight increase has been recorded in students listing their address of home location within the metropolitan area. A decline has been recorded in both country areas and the category "Other".

TABLE 10: Student Enrolments by Address of Home Location and Mode of Study

Western Australian College of Advanced Education

Address of Home Location.

In 1984 the largest proportion of students had their home address within the metropolitan area, comprising 39.2% of the total while country areas accounted for 29.6% and "Other" 31.1%.

In 1985 the proportions were similar with the largest proportion of students having their home address within the metropolitan area comprising 33.9% while country areas accounted for 28.2% and "Other" 37.9% .

The W A College receives the greatest proportion of its interstate students from New South Wales with overseas students mainly from Hong Kong

Total Numbers of Students

Some slight changes have taken place in 1985 . Students listing the metropolitan area as their address of home location has remained fairly constant.There has been an increase in the category "Other" together with a very slight increase in student numbers in country areas.

Tables 11 to 15 Student Enrolments by Field of Study

TABLE 11: Student Enrolments by Field of Study

Advanced Education

In 1984 the majority of students were enrolled in Education ie. 45.1% of the total number of students enrolled in both fully external and mixed mode. Females tended to enrol primarily in Education and then Arts, while males tended to enrol primarily in Education and then Business Studies.

In 1985 these proportions were similar with Education comprising 42.1% of the total numbers of students enrolled in both fully external and mixed mode.

TABLE 12: Student Enrolments by Field of Study

Technical Extension Service

In 1984 the highest proportion of students were enrolled in Business Studies comprising 34.1% of the total number of students enrolled in both fully external and mixed mode. Most females tended to enrol in Business Studies while males tended to enrol equally in Engineering and Business Studies.

In 1985 total enrolments increased but the proportions were similar. Students tended to enrol in Business Studies which comprised 31.1% of the total.

TABLE 13: Student Enrolments by Field of Study

Murdoch University

In 1984 the highest proportion of students were enrolled in Arts and Economics comprising 38.4% of the total. Most females tended to enrol in Arts and Economics while most males enrolled in Science (Pure & Applied). This trend continued in 1985.

In 1985 the highest proportion of students were enrolled in Science (Pure & Applied) comprising 30.9%.

TABLE 14: Student Enrolments by Field of Study

Western Australian Institute of Technology

In 1984 the greatest proportion of students enrolled in Business Studies which comprised 35.8% of the total student enrolments. Males tended to enrol in Business Studies while females enrolled in Arts.

In 1985 this trend continued with most students enrolling in Business Studies 31.0%. Males continued to enrol in Business Studies while females enrolled in Arts.

Total Numbers of Students

Overall there was a slight decrease in enrolments mainly because of the decline in male enrolments in Business Studies.

TABLE 15: Student Enrolments by Field of Study

Western Australian College of Advanced Education

In 1984 the greatest proportion of students were enrolled in Education which comprised 85.9% of the total numbers of students enrolled in both fully external and mixed mode.

In 1985 these trends continued with most students enrolled in Education, (71.8%). There was an increase in the numbers of students enrolling in Arts and Health leading to an increase in total student numbers.

CONCLUSION

In conclusion, the following trends have emerged for 1984 and 1985

1. Most students are enrolled in the fully external mode.

2. Female enrolments exceed male enrolments in both fully external and mixed mode fields of study.

4. On an institutional basis:

   (a) Males dominate enrolments in both fully external and mixed mode at the WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY and the TECHNICAL EXTENSION SERVICE.

   (b) Females dominate enrolments at MURDOCH UNIVERSITY and the WESTERN AUSTRALIAN COLLEGE OF ADVANCED EDUCATION.

   (c) The greatest proportion of students at most institutions have their home address listed in the metropolitan area.

   (d) Most interstate students involved in external studies come from New South Wales.

   (e) Overseas students involved in external studies mainly come from Malaysia.

   (f) The following institutions draw their students from specific country areas:

Institution	Region
Technical Extension Service	Northern
Murdoch University	South West
WAIT	Northern
W A College of Advanced Education	Northern

(g) The type of course most favoured by students in higher education is Business Studies followed by Education.

CURRENT AREAS OF RATIONALISATION IN EXTERNAL STUDIES

Institutional Monitoring Systems

At Murdoch University all proposals for Programme and Course development in either mode are reviewed by the University's Academic Planning Committee. In addition, Murdoch University Academic Council Resolution 88/79 requires:

> "that the External Studies Committee be invited to comment on all proposals for courses to be offered in the external mode before such proposals are finalised by School Boards and the Board of Part 1 Studies for consideration by Academic Council".

Guidelines adopted by the External Studies Committee include the proviso that, once a Programme is offered externally, a sequence must be developed to enable students to graduate within 6 years.

Although the Western Australian Institute of Technology has no formal monitoring system to examine the future needs for external studies offerings there are mechanisms by which continual assessment of current external studies units are made. This has resulted in the consequent reduction of some streams in the Bachelor of Business degree and Bachelor of Arts (English). Units offered within the Bachelor of Applied Science (Home and Consumer Studies) have been discontinued in conjunction with the agreed move of the Home and Consumer Studies Department to the Western Australian College of Advanced Education. Changes occurring in external studies are determined by the Heads of Schools after a thorough appraisal of both the needs of students and the demand for new areas of external studies.

The Western Australian College of Advanced Education has a standing committee of its Academic Council, a Course Approvals Committee. This Committee receives all course submissions including those where it is proposed that they may be offered externally. Major emphasis is placed, in approving courses, on evidence of need and demand and lack of duplication of effort within the State as well as nationally, unless most specific and documented evidence can be provided from the community and institution already externalizing the course that substantial demand is still not being met. In 1985 the College withdrew

one course with two others planned to be subsumed under other courses at the beginning of 1986. Some separate units have also been withdrawn as a result of further rationalization of course structures within the W A College. In addition many external studies units are offered on a biennial basis so as not to proliferate the costs involved in producing small unit runs annually, but sufficient to allow students adequate choice.

There is a tacit agreement between the Western Australian Institute of Technology and the W A College in respect to External Studies with the Institute alone offering courses in Business Studies; the W A College offering courses in Education at post graduate diploma level and the Institute offering the Diploma of Teaching (TAFE) and the Bachelor of Education (Conversion).

Technical and Further Education has specific guidelines on the offering of TAFE subjects by external studies. These guidelines are based on four considerations:

1. the likelihood of students being employed in rural areas;

2. The relevance of subjects to statutory or licensing requirements, or to established promotional pathways in particular industries;

3. the likelihood of subjects not being offered by class attendance to metropolitan students; and

4. the probability that students will be unable to attend classes.

Prior to the introduction of new subjects, it is also mandatory that the offerings of TAFE external studies institutions in other states be examined to determine if a similar subject exists already.

Where suitable subjects are identified, three options exist. These are:

1. the enrolment of Western Australian students in another state;

2. the purchase and use of material from another state for locally enrolled students; and

3. the negotiation of an agreement for Western Australia to adapt all or part of the material from another state for its own use.

Where existing subjects in a particular area have a history of very low enrolments, attempts are made to negotiate an exchange of students between states, so that a state can gain additional students in one subject while being able to cease maintaining and offering another. The key to the success of this rationalization programme is the formalization of standard exemptions and course variations, and Western Australian TAFE has developed a comprehensive documentation of such exemptions and variations.

In addition to the rationalization of specific subjects between states there is evidence of the development of successful strategies for the co-operative development of courses on a national basis. These strategies are based on either consortium arrangements, in which each state produces a specific subject(s), or on a bureau network arrangement whereby one state produces the syllabus, another provides the content expertise, another the instructional design and production, while a fourth enrols and tutors the students.

Credit Transfer

The WAPSEC Report into Credit transfer arrangements in W A reflected a genuine desire amongst institutions to increase credit transfer between sectors. When Murdoch University assumed responsibility for University external studies, arrangements were made to ensure that students of the University of Western Australia were not disadvantaged. The Murdoch University Handbook for 1986 contains the following statement (p.313).

> "Students who are proceeding with studies at the University of Western Australia and who find that they require the external mode to complete all or some of their remaining units, may transfer to a Murdoch University degree, or with Faculty approval, may credit Murdoch University courses towards their UWA Degree".

Murdoch's Population and World Resources Programme contains a Programme requirement for students to take the unit Population Economics at the University of Western Australia. In the external mode, students enrol instead in, Econometrics 275-1/375-1; Demography, offered by the University of New England.

The Western Australian Institute of Technology has formalized its policy in regard to credit transfer arrangements by the passing of resolutions by both the Institute Academic Board (IAB) and the Institute Resources Board (IRB).

These resolutions support the principles of intersectoral credit transfer and require that students (wishing to be considered for enrolment under this scheme) provide a statement from the parent institutions that full credit will be given by that institution for units studied at WAIT. Other tertiary institutions are advised of this provision and similar provision is expected from these to enable WAIT students to continue on with their study programmes. On a national basis WAIT has passed a resolution to ensure that 1% of new enrolments (ie 30 EFTS) are allocated for the purposes of exchange arrangements to students from Colleges and Universities in Australia.

The Academic Board Resolution is in the context of exchange agreements which exist with the University of Illinois and with Kansai Gadei as overseas institutions and now embraces students from local institutions on the understanding that WAIT students will also want to enrol on occasion for units at those institutions.

Discussions are currently being held between the Western Australian College of Advanced Education, South Australia and Armidale with a view to rationalizing unit offerings in the Associate Diploma in Arts (Aboriginal and Intercultural Studies) through cross crediting.

TAFE has a comprehensive listing of standard exemptions through which students may obtain credit for studies at non-TAFE institutions. In addition, applications for credit for non listed subjects are considered by TAFE Council and are granted if they meet established criteria.

Library Provision

Physical remoteness from an institution should not mean remoteness from library resources. The use of library resources by external students is of fundamental importance and therefore availability of access to a variety of resources is a desirable feature of this mode of study. A study funded by CTEC through its Evaluations and Investigations program, entitled External Students and their Libraries, revealed[1] that in addition to their own library external students made use of a number of other resource areas particularly tertiary libraries. Co-operation exists in Western Australia between tertiary institutions and other library agencies with respect to providing external students with reference to books, monographs and journal articles on an inter-library loan basis.

The Western Australian Institute of Technology runs external courses for students residing in Western Australia, in other Australian states and overseas.

The WAIT library maintains a collection of books for use by external students and provides lending, photocopying and reference services to external students residing in W A. External students residing outside W A are expected to use other libraries, although some services are extended to them from the T L Robertson Library. Students may apply to the Librarian-in-Charge for a letter of introduction to the librarian at a tertiary institution closest to them. Students from other institutions are allowed borrowing privileges at the T L Robertson Library upon request to the Circulation Librarian together with proof of enrolment from their home institution.

The external library service is the responsibility of the Circulation Librarian and it is staffed by 0.5 x professional librarian, 1 full-time clerical supervisor and 1 x 0.5 clerical assistant. Its collections form the

---

1 Winter, Andrew and Cameron, Margaret External Students and Their Libraries, Deakin University Geelong, 1983

core of library materials available to external students. The Robertson Library has a separate External Collection, which is maintained primarily for use by country students, who are given priority access because of their relative isolation from libraries. In addition they are given access to the main collection of the Robertson Library.

Microfiche copies of the WAIT library catalogue are distributed gratis to the Albany Technical College, Albany Public Library, Geraldton Regional College of TAFE, Hedland College, Karratha Community College and Newman Centre. On request, books are posted to students, free of charge, with return postage and labels enclosed (surface or airmail, depending upon distance). Free postage also covers photocopies. To obtain photocopied material, a deposit of $20.00 is required. A charge of seven cents per exposure is deducted from that deposit and the student notified accordingly. The balance is refundable, upon request, at the end of the academic year or course of study. The inter library loans office will obtain material from within the state, inter-state and overseas, for the postgraduate student, but only from within the state for undergraduates. Computer searches are provided for suitable topics and cost is dependent upon the subject and the level at which it is searched. The charges levied are the same as for internal students.

External students living in the Perth metropolitan area are expected to use the Robertson Library under the same rules and conditions as internal students. They may consult books from the External Collection on site, however, they are not permitted to borrow from this collection, nor are they eligible to use the mail lending and photocopying service.

In circumstances where, because of genuine difficulty in getting to the library in normal opening hours, they are granted the same entitlements as country students. Metropolitan external students are entitled to use other academic libraries in Perth, according to the rules of the reciprocal access in force.

All TAFE external students have access to library facilities at TAFE institutions (including the independent colleges) throughout the state.

The WA College of Advanced Education provides some library materials at Hedland College for certain courses and also gives full rights to students of

the WA College at the four country colleges with respect to reciprocal borrowing on an inter library loan basis.

Regional College Libraries

Hedland College Library

The Hedland College Library offers extensive library services to all external students in its area. All resources and services available to other users including a comprehensive collection of books, journals and Audio visual resources and services including inter-library loans, on-line information retrieval services, reference services, media services and reader education are available to external students.

A follow up check of our registered library users revealed that 60% of these external students are registered members of the library. In addition approximately 85% of all external students make some use of the library.

Karratha College Community Library

The Karratha Community Library has quite a comprehensive collection of post secondary and reference resources and also provides private study facilities for students. The Wickham School Community Library, although having a limited upper secondary/post secondary resources, is also used as a private study facility. Both libraries have extended hours of opening to cater for the needs of both internal and external students.

The Karratha Library allows extended (ie term) loans to external students provided multiple copies of the textbook or material are available and loans are returned on request.

External students make use of the State Library Service Request and Information Service to obtain resources although requests may take four to six weeks to arrive and the normal loan period is only three to four weeks.

The public library system attempts to provide materials on a wide range of levels and subjects but is not designed to supply text books or multiple copies on demand. External students and their parent educational institutions must accept responsibility for acquiring essential course materials.

Kalgoorlie College Library

The Joint Library Resource Centre for Kalgoorlie College and the W A School of Mines will provide library service to any bona fide student who can provide proof of current enrolment at any other institution.

External students are given the same access to materials as the internal students though they are limited to four books at any one time and are not given the financial assistance shown to students on inter library loan costs.

In addition external students have access to all materials including A-V hardware and software if necessary, journals, monographs and even access to the materials on closed reserve collection.

Telecommunications

The 1984 Report of the External Studies Review Group contained a chapter focussing specifically on Telecommunications and Satellite Technology and describing the collaborative work of the Western Australian Satellite Educational Advisory Group (WASEAG) and of the Inter-Institutional Committee on Educational Telecommunications. These efforts were maintained during 1985 and resulted in two major achievements:

1. Following the award of the Remote Commercial Television Service licence for Western Australia to Golden West Network Ltd, all four Tertiary institutions, and the Department of Education through the Audio-Visual branch and the Technical Extension Service participated in an Educational Television broadcasting scheme for school-based and home-based students in the Southwest of the State. Once the RCTS service is broadcast via Satellite from late-1986 the audience for such broadcasts should be Statewide (except for the Perth-Fremantle metropolitan area).

2. WASEAG took steps during the year to encourage the State Government to consider establishing a small coordinating authority to facilitate and manage Statewide educational broadcasting with programmes developed from within the participant institutions.

Murdoch University and the University of Western Australia collaborated through the 6-UVS(FM) Radio Station in further developing narrow casting using FM subcarrier technology for educational purposes. The significance of this work was recognized when in October 1985 the Australasian Academy of Broadcast Arts and Sciences gave 6-UVS(FM) a Pater Award for the "Most Outstanding Radio Innovation of 1985".

The Western Australian Institute of Technology has created a studio for telecommunications containing telephones and facsimile. The studio also contains a television monitor and VCR to enable videotapes to be viewed concurrently with students as a basis for discussion. Consideration is being given to landline exchange of graphical information via the use of personal computers. In conjunction with the Educational Media Centre a number of video tapes have been produced in three subject areas for general broadcast by the television GWN based in Bunbury. The W A College also contributed by presenting twenty four showings involving 15 programmes covering a number of courses. GWN as holder of the first Australian RCTS licence will reach to all parts of the state with the exception of the metropolitan area. This initiative gives not only supporting resource material to students but is of general educative value to the community.

Currently, TAFE external studies offerings are listed on Viatel. Technical Extension Services also offers a range of communication facilities including telex for general communication.

There are also two statewide computer networks. The first of these, the Student Data System, stores enrolment information on all TAFE students and, in addition, maintains a record of external students' work progress. Access to this system by approved personnel is available at any TAFE institution in Western Australia.

The second network is the educational computing network, which is accessible by students. Once again access is available at any TAFE institution in Western Australia.

There has been some use of teleconferencing but the shortage of equipment in the regional centres has limited its use.

Inter-University Enrolment in the External Mode

1985 saw the introduction of BA Degrees in Women's Studies based on an exchange of external enrolments between the University of Queensland, Deakin University and Murdoch University. This innovation demonstrated how economies can be effected in planning new award courses by linking the efforts of academics, administrators and the services of autonomous tertiary institutions in different States.

Following the success of the Women's Studies Venture the Vice-Chancellors of the five dual-mode teaching Universities (Queensland, New England, Macquarie, Murdoch and Deakin) signed an Accord in May 1985 endorsing the establishment of a Consortium for University external studies. The Consortium has the following objectives:

1. to facilitate student access to inter-university enrolment in individual external subjects and course units;

2. to explore possibilities for the development of shared combinations of subjects and course units;

3. to suggest ways of filling gaps and avoiding unnecessary duplication in the provision of university external studies programmes; and

4. to encourage the development and use of shared support facilities for external students.

The Consortium supports but does not seek to reduce the autonomy of any participant university.

During the rest of the year academic and administrative staff at all five Universities were involved in establishing procedures for the implementation of a broad-based inter-university enrolment scheme for the 1986 academic year.

National Cooperation

Each year approximately 10% of Murdoch University external enrolments come from students resident inter-state. In some cases these will be people who have commenced study in Western Australia and subsequently transferred their residence. In others they will be students referred to the University by academic "brokerage" services such as those offered to Northern Territory residents by the Darwin Institute of Technology (Dr Kevin Livingston) and to Tasmanians by the North West Council for Community Education (Dr Michael Walker).

Pre-tertiary courses run by the Western Australian College of Advanced Education are being utilized in the Northern Territory and by TAFE in Cairns. In addition Darwin Institute is holding discussions with the College relating to the acquisition of units in the Bachelor of Education programmes.

The Technical Education Division will be developing a satisfactory system for storing learning materials in digital form to facilitate national resource sharing and to improve the opportunities for open learning.

Representatives of the External Studies Review Group (W A) also serve on national committees, notably:

Dr John Walsh	The External Studies Committee of the Australian Committee of Directors and Principals
Dr Maureen Smith	CTEC Standing Committee for External Studies
Mr Roy Farren	TAFE External Studies Committee

CONCLUSION

There has been a concerted attempt by institutions in Western Australia to achieve an efficient and cost effective method of external studies delivery by taking into account the rational use of resources. The following trends have therefore emerged in 1985.

- There has been a refinement of existing offerings both in terms of presentation of material and of teaching and production of resources and this pattern seems likely to continue in the future.

- There is widespread support for intersectoral credit transfer arrangements between institutions offering external studies both in Western Australia and on a national basis.

- There has been a concerted effort to accommodate the needs of the community by offering mixed mode options to those students who require both on and off campus study.

- Improvements have been made in study support for students in both metropolitan and country areas by means of inter library loan exchange and application of new telecommunications.

- Data analysis indicates that females mainly prefer the option of studying externally. Although external study is offered on a statewide basis the greatest proportion of persons in this form of teaching/learning strategy are found in the metropolitan area. A significant growth has also occurred in student numbers in the Technical Education Division.

The 1985 Report has attempted to foreshadow the types of planning which will ultimately evolve in forthcoming years. The 1986 Report will focus on the extension of the considerable co-operative efforts already existing between institutions providing external studies in Western Australia in an effort to create an efficient and alternative learning mode.

WESTERN AUSTRALIAN POST SECONDARY EDUCATION COMMISSION

- EXTERNAL STUDIES REPORT 1985-

Part 2

STATISTICAL INFORMATION

Third Annual Report of the External Studies Review Group

NOTE: General Information is provided in Part 1 of the Report

ISBN 0 7244 6509 X (Set)

ISBN 0 7244 6511 1 (Part 2)

PART TWO

Statistical Information

CONTENTS PAGE NO

Tables:

List of Tables..... 1

Programmes Available in the External Mode..... 20

Commentary on Production Runs..... 21

Unit Title, Availability, Award Granted..... 22

TABLES

List of Tables

Table 1: Student Enrolments by Age and Mode of Study, University and Advanced Education (1985)

Table 2: Student Enrolments by Age and Mode of Study, Technical Extension Service (1985)

Table 4: Student Enrolments by Age and Mode of Study, Western Australian Institute of Technology (1985)

Table 5: Student Enrolments by Age and Mode of Study, Western Australian College of Advanced Education (1985)

Table 6: Student Enrolments by Address of Home Location and Mode of Study, University and Advanced Education (1985)

Table 7: Student Enrolments by Address of Home Location and Mode of Study, Technical Extension Service (1985)

Table 8: Student Enrolments by Address of Home Location and Mode of Study, Murdoch University (1985)

Table 9: Student Enrolments by Address of Home Location and Mode of Study, Western Australian Institute of Technology (1985)

Table 10: Student Enrolments by Address of Home Location and Mode of Study, Western Australian College of Advanced Education (1985)

Table 11: Student Enrolments by Mode and Field of Study, Advanced Education (1985)

Table 12: Student Enrolments by Mode and Field of Study, Technical Extension Service (1985)

Table 13: Student Enrolments by Mode and Field of Study, Murdoch University (1985)

Table 14: Student Enrolments by Mode and Field of Study, Western Australian Institute of Technology (1985)

Table 15: Student Enrolments by Mode and Field of Study, Western Australian College of Advanced Education (1985)

TABLE 1 :
Student Enrolments by Age and Mode of Study, UNIVERSITY AND ADVANCED EDUCATION, (WA) (1985)

Age (a) (Years)	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Under 18	37	9	46	14	9	23	51	18	69
18	28	14	42	43	39	82	71	53	124
19	18	27	45	55	63	118	73	90	163
20-29	674	758	1432	279	264	543	953	1022	1975
30-39	757	819	1576	131	198	329	888	1017	1905
40-49	276	370	646	52	103	155	328	473	801
Over 49	90	117	207	6	28	34	96	145	241
Not stated	19	13	32	2	3	5	21	16	37
TOTAL	1899	2127	4026	582	707	1289	2481	2834	5315

(a) Age at 31 December of preceding year

TABLE 2 : Student Enrolments by Age and Mode of Study, TECHNICAL EXTENSION SERVICE, PERTH (1985)

Student Enrolments by Age and Sex
1985
External Students Only

	Sex			
	Males	Females	Not Stated	* Total *
AGE				
Under 18	396	283	.	679
18	228	199	2	429
19	294	213	2	509
20 - 29	2 821	1 653	.	4 474
30 - 39	2 086	1 104	.	3 190
40 - 49	717	448	.	1 165
Over 50	366	288	.	654
* TOTAL *	6 908	4 188	4	11 100

a) Age at 31 December of preceding year

TABLE 3 : Student Enrolments by Age and Mode of Study, MURDOCH UNIVERSITY 1985

Age (a) (Years)	FULLY EXTERNAL			MIXED MODE			TOTAL		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Under 18	2	4	6	7	5	12	9	9	18
18	15	6	21	25	24	49	40	30	70
19	9	13	22	27	25	52	36	38	74
20-29	265	266	531	123	109	232	388	375	763
30-39	291	297	588	40	67	107	331	364	695
40-49	104	133	237	19	37	56	123	170	293
Over 49	49	56	105	2	8	10	51	64	115
Not Stated	-	-	-	-	-	-	-	-	-
TOTAL	735	775	1 510	243	275	518	978	1050	2 028

a) Age at 31 December of preceding year.

TABLE 4: Student Enrolments by Age and Mode of Study, WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY, (1985)

Age (a) (Years)	Fully External			Mixed Mode			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Under 18	35	5	40	7	4	11	42	9	51
18	13	8	21	18	14	32	31	22	53
19	9	12	21	27	33	60	36	45	81
20-29	231	177	408	136	120	256	367	297	664
30-39	301	200	501	79	94	173	380	294	674
40-49	98	60	158	28	44	72	126	104	230
Over 49	22	22	44	4	16	20	26	38	64
Not stated	18	7	25	2	2	4	20	9	29
TOTAL	727	491	1 218	301	327	628	1 028	818	1 846

a) Age at 31 December of preceding year.

TABLE 5 : Student Enrolments by Age and Mode of Study
WESTERN AUSTRALIAN COLLEGE OF ADVANCED EDUCATION, (1985)

Age (a) (Years)	Fully External*			Mixed Mode			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Under 18									
18					1	1		1	1
19		2	2	1	5	6	1	7	8
20-29	178	315	493	20	35	55	198	350	548
30-39	165	322	487	12	37	49	177	359	536
40-49	74	177	251	5	22	27	79	199	278
Over 49	19	39	58		4	4	19	43	62
Not Stated	1	6	7		1	1	1	7	8
TOTAL	437	861	1 298	38	105	143	475	966	1 441

(a) Age at 31 December of preceding year.

* Includes Broome and Carnarvon Aboriginal Enclave Students in Education

Age	Males	Females	Persons
19		1	1
20-29	5	10	15
30-39	1	15	16
TOTAL	6	26	32

TABLE 6 : Student Enrolments by Address of Home Location and Mode of Study, UNIVERSITY AND ADVANCED EDUCATION, (1985)

Post Code of Home Location	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Perth Metropolitan Region 6000-6199	818	833	1651	582	707	1289	1400	1540	2940
Northern Region (includes Pilbara & Kimberleys) 6700-6799	146	182	328				146	182	328
Central Region 6500-6699	76	91	167				76	91	167
Eastern Region (includes Gold-fields & Midlands) 6400-6499	115	103	218				115	103	218
Southern Region (both Upper & Lower) 6300-6399	95	132	227				95	132	227
South West Region 6200-6299	134	136	270				134	136	270
Other									
Interstate									
NSW 2000-2599 &2621-2899	98	150	248				98	150	248
VIC 3000-3999	69	60	129				69	60	129
QLD 4000-4999	60	79	139				60	79	139
SA 5000-5999	80	81	161				80	81	161
NT 5750-5799	14	28	42				14	28	42
TAS 7000-7999	9	18	27				9	18	27
ACT *	7	20	27				7	20	27
O/seas									
Malaysia	42	21	63				42	21	63
New Guinea	6	6	12				6	6	12
New Zealand	1	1	2				1	1	2
Singapore	15	6	21				15	6	21
USA	2		2				2		2
Brunei	4	2	6				4	2	6
England	1	1	2				1	1	2
Hong Kong	36	28	64				36	28	64
Cyprus	4	2	6				4	2	6
Other	19	29	48				19	29	48
Not Stated	48	118	166				48	118	166
TOTAL	1899	2117	4016	582	707	1289	2481	2824	5315

* ACT Post Codes: 2525-2554, 2600-2624, 2626-2639, 2694, 2900-2920.

TABLE 7: Student Enrolments by Address of Home Location and Mode of Study, TECHNICAL EXTENSION SERVICE

	Student Type External Sex				Mixed Mode Sex			*Total* Sex			
	M	F	Not Stated	Tot.	M	F	Tot.	M	F	Not Stated	*Total*
CODE											
6000-6199 Perth Metro.	3033	2142	.	5175	2169	905	3074	5202	3047	.	8249
6200-6299 South West Region	683	392	.	1075				683	392	.	1075
6300-6399 Southern Region	447	320	.	767				447	320	.	767
6400-6499 East. Reg.	556	350	1	907				556	350	1	907
6500-6599 Central Reg.	403	314		717				403	314	.	717
6700-6799 Northern Region	923	428	3	1354				923	428	3	1354
OTHER											
Interstate											
NSW 2000-2599 &2621-2899	237	72	.	309				237	72	.	309
VIC 3000-3999	118	31	.	149				118	31	.	149
QLD 4000-4999	248	57	.	305				248	57	.	305
SA 5000-5999	45	13	.	58				45	13	.	58
NT 5750-5799	124	36	.	160				124	36	.	160
TAS 7000-7999	31	11	.	42				31	11	.	42
O/seas	60	21	.	81				60	21	.	81
TOTAL	6908	4188	4	11100	2169	906	3075	9077	5094	4	14175

TABLE 8 : Student Enrolments by Address of Home Location and Mode of Study, MURDOCH UNIVERSITY, (1985)

Post Code of Home Location	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Perth Metropolitan Region 6000-6199	428	377	805	243	275	518	671	652	1323
Northern Region (includes Pilbara & Kimberleys) 6700-6799	35	39	74				35	39	74
Central Region 6500-6699	22	25	47				22	25	47
Eastern Region (includes the Goldfields & Midlands) 6400-6499	28	24	52				28	24	52
Southern Region (both Upper & Lower) 6300-6399	20	39	59				20	39	59
South West Region 6200-6299	45	41	86				45	41	86
OTHER									
Interstate									
NSW 2000-2599 &2621-2899	25	23	48				25	23	48
VIC 3000-3999	21	20	41				21	20	41
QLD 4000-4999	17	11	28				17	11	28
SA 5000-5999	35	31	66				35	31	66
TAS 7000-7999	3	5	8				3	5	8
O/seas	8	22	30				8	22	30
Not Stated	48	118	166				48	118	166
TOTAL	735	775	1510	243	275	518	978	1050	2028

TABLE 9 : Student Enrolments by Address of Home Location and Mode of Study, WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY, (1985)

Post Code of Home Location	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Perth Metropolitan Region 6000-6199	309	191	500	301	327	628	610	518	1128
Northern Region (includes Pilbara and Kimberleys) 6700-6799	76	49	125				76	49	125
Central Region 6500-6599	30	30	60				30	30	60
Eastern Region (includes the Goldfields and Midlands)	66	36	102				66	36	102
Southern Region (both Upper and Lower) 6300-6399	61	38	99				61	38	99
South West Region 6200-6299	57	43	100				57	43	100
OTHER									
Interstate									
NSW 2000-2599 &2621-2899	23	31	54				23	31	54
VIC 3000-3999	25	9	34				25	9	34
QLD 4000-4999	21	30	51				21	30	51
SA 5000-5999	33	21	54				33	21	54
TAS 7000-7999	3	1	4				3	1	4
O/seas									
Malaysia	6	2	8				6	2	8
New Guinea	4	2	6				4	2	6
New Zealand	1	1	2				1	1	2
Singapore	4	3	7				4	3	7
USA	2		2				2		2
Brunei	1		1				1		1
England	1	1	2				1	1	2
Any Other Country	4	3	7				4	3	7
TOTAL	727	491	1218	301	327	628	1028	818	1846

TABLE 10 : Student Enrolments by Address of Home Location and Mode of Study, WESTERN AUSTRALIAN COLLEGE OF ADVANCED EDUCATION, (1985)

Post Code of Home Location	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Perth Metro Region 6000-6199	81	265	346	38	105	143	119	370	489
*Northern Region (incl. Pilbara and Kimberleys) 6700-6799	35	94	129				35	94	129
Central Region 6500-6699	24	36	60				24	36	60
Eastern Region (incl. Goldfields and Midlands 6400-6499	21	43	64				21	43	64
Southern Region (both upper and lower) 6300-6399	14	55	69				14	55	69
South West Region 6200-6299	32	52	84				32	52	84
OTHER									
Interstate									
NSW 2000-2599 &2621-2899	50	96	146				50	96	146
ACT*	7	20	27				7	20	27
VIC 3000-3999	23	31	54				23	31	54
QLD 4000-4999	22	38	60				22	38	60
SA 5000-5999	12	29	41				12	29	41
NT 5750-5799	14	28	42				14	28	42
TAS 7000-7999	3	12	15				3	12	15
O/seas									
Hong Kong	36	28	64				36	28	64
Malaysia	36	19	55				36	19	55
Singapore	11	3	14				11	3	14
Cyprus	4	2	6				4	2	6
Brunei	3	2	5				3	2	5
Papua New Guinea	2	4	6				2	4	6
Other	7	4	11				7	4	11
TOTAL	437	861	1298	38	105	143	475	966	1441

* ACT Post Codes 2525-2554, 2600-2624, 2626-2639, 2694, 2900-2920.

NOTE: Eastern States enrolments due to unique nature of some external courses offered:

Associate Diploma in Health Education
Associate Diploma in Community Language Studies (Portuguese and Vietnamese)
Bachelor of Education (Religious Education)
Graduate Diploma in Religious Education Studies

The latter two courses have a high enrolment especially from Sydney and the Bathurst region in New South Wales.

Overseas students are heavily enrolled in the Teaching English as a Second Language, Reading Education, Special Education and Early Childhood streams of the Bachelor of Education.

TABLE 11 : Student Enrolments by Mode and Field of Study, ADVANCED EDUCATION, (1985)

Field of Study Description	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Agriculture	51	5	56	44	8	52	95	13	108
Architecture	-	-	-	11	0	11	11	-	11
Arts	206	353	559	56	171	227	262	524	786
Business Studies	318	108	426	110	36	146	428	144	572
Education	487	710	1197	70	115	185	557	825	1382
Engineering	9	1	10	28	0	28	37	1	38
Health	72	161	233	11	86	97	83	247	330
Science (Pure & Applied)	21	12	33	9	15	24	30	27	57
Non Award	-	2	2	-	-	-	-	2	2
TOTAL	1164	1352	2516	339	431	770	1503	1783	3286

TABLE 12 : Student Enrolments by Mode and Field of Study,
TECHNICAL EXTENSION SERVICE, 1985

	Sex			
	Males	Females	Not Stated	*Total*
FIELD				
1 Applied Science	880	407	.	1287
19 General Studies	437	500	.	937
2 Art & Design	54	147	.	201
3 Building	553	15	.	568
4 Business Studies	1853	1595	3	3451
5 Engineering	1990	83	.	2073
6 Rural & Hortcl	586	306	.	892
8 Paramedical	252	987	.	1239
9A Industrial Services Nec	283	22	.	305
9B Personal Services Nec	20	126	1	147
TOTAL	6908	4188	4	11100

TABLE 13 : Student Enrolments by Mode and Field of Study, MURDOCH UNIVERSITY (a), 1985

Field of study description	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
General Studies	25	32	57	2	2	4	27	34	61
Arts & Economics	260	331	591	65	120	185	325	451	776
Education	92	182	274	28	60	88	120	242	362
Science (Pure & Applied)	299	107	406	137	69	206	436	176	612
Veterinary Science	-	-	-	6	17	23	6	17	23
Program Choice deferred	2	2	4	1	0	1	3	2	5
UWA Degree	10	17	27	0	1	1	10	18	28
Degree from other Uni.	3	60	63	-	-	-	3	60	63
Not for Degree	18	25	43	1	4	5	19	29	48
TOTAL	709	756	1465	240	273	513	949	1029	1978

*Postgraduate enrolments not included .

TABLE 14 : Student Enrolments by Mode and Field of Study,
WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY, (1985)

	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Agriculture	51	5	56	44	8	52	95	13	108
Architecture	0	0	0	11	0	11	11	0	11
Arts	99	181	280	54	154	208	153	335	488
Business Studies	318	108	426	110	36	146	428	144	572
Education	169	104	273	36	38	74	205	142	347
Engineering	9	1	10	28	0	28	37	1	38
Health	60	80	140	9	76	85	69	156	225
Science - Pure & Applied	21	12	33	9	15	24	30	27	57
TOTAL	727	491	1218	301	327	628	1028	818	1846

TABLE 15 : Student Enrolments by Mode and Field of Study
WESTERN AUSTRALIAN COLLEGE OF ADVANCED EDUCATION, (1985)

Field of Study Description	Fully External			Mixed Mode			Total		
	M	F	P	M	F	P	M	F	P
Arts	107	172	279	2	17	19	109	189	298
Bus. Studies									
Education	318*	606*	924*	34	77	111	352	683	1035
Health	12	81	93	2	10	12	14	91	105
Non-Award		2	2		1	1		3	3
TOTAL	437	861	1298	38	105	143	475	966	1441

* Includes Broome and Carnarvon Aboriginal Enclave Students in Education who are fully external.

Males	Females	Persons
6	26	32

PROGRAMMES AND COURSES AVAILABLE IN THE EXTERNAL MODE

The Relationship of Production Runs to External Enrolment

Conflict may occur in the provision of External Studies offerings in attempting to balance the needs of students and the necessity of achieving economies of scale.

Institutions providing external studies in Western Australia have achieved a cost effective method of delivering external studies offerings despite low unit enrolments in a few areas. This is accomplished because of the nature of production runs in each institution. Materials from production runs are used by both internal (on campus) and external students. The external studies material from the Technical Extension Service in particular is used in a variety of face to face situations by other TAFE colleges, in high schools by mobile and short course teaching units, by interstate TAFE organizations and various other bodies, eg Australian Maritime College and industry training officers.

Production runs are used mainly for one year's requirement with some recycling in the second year provided changes have not been incorporated for the new run. Where numbers are very low, special arrangements are made to avoid production runs by the photocopying of material. Occasionally small print runs are a necessity in servicing small numbers in particular fields of study which are offered on a needs basis, for example Art Teachers (Bachelor of Education). Such enrolments will never be large. A similar problem occurs on campus. Fields such as secondary science, art and mathematics have small enrolments. This pattern is repeated externally.

In conclusion given the efficient technologies now in use in each institution and the high degree of integration with internal student requirements little advantage would accrue from a centralised print facility to serve all external studies providers.

MURDOCH UNIVERSITY

EXTERNAL PROGRAMMES - 1985

Bachelor of Arts (Asian Studies)
Bachelor of Arts (Education, Primary Teacher)
Bachelor of Arts (Education, Secondary and Post-Secondary Teacher)
Bachelor of Arts (Education Studies)
Bachelor of Arts (English and Comparative Literature)
Bachelor of Arts (General Studies)
Bachelor of Arts (History)
Bachelor of Arts (Social and Political Theory)
Bachelor of Arts (Population and World Resources)
Bachelor of Arts (Women's Studies)
Bachelor of Education
Bachelor of Literature and Communication
Bachelor of Science (Computer Science)
Bachelor of Science (Environmental Science)
Bachelor of Science (General Studies)
Bachelor of Science (Mathematics)
Bachelor of Science (Mineral Science-Extractive Metallurgy)
Bachelor of Science (Physics)
Bachelor of Science (Population and World Resources)
Graduate Diploma in Applicable Mathematics
Graduate Diploma in Community Science
Graduate Diploma in Computer Studies
Graduate Diploma in Education (Primary)
Graduate Diploma in Education (Secondary and Post-Secondary)
Graduate Diploma in Education Studies
Graduate Diploma in Environmental Science
Graduate Diploma in Mineral Science
Master of Arts in Literature and Communication

PROGRAMMES AND COURSES AVAILABLE IN THE EXTERNAL MODE

MURDOCH UNIVERSITY

SEMESTER 1 - 1985

PART I

Trunk Courses

A 103 Energy and Life Systems (6 pts)
A 105 Structure, Thought and Reality (6 pts)
A 106 Australian Studies (6 pts)

H104	Language and Literature	M160	Introduction to Mathematics
H144	Foundations of Southeast Asian Society	M161	Principles of Mathematics
M102	Principles of Computer Programming	S101	Foundations of Social Inquiry
M112	Conceptual and Mathematical Bases of Physical Sciences	S104	Woman in Society
M122	Particles in Motion	S141	Introduction to Psychology
		S161	Introduction to Economics
		S182	Turning Points in History

PART II

A203	Science, Technology & Society	M311	Quantum Theory
A208	Engineering Mathematics	M357	Mineral Chemistry
A222	Social Research Methods	M362	General Analysis
E210	Education Studies Project	M367	Numerical Analysis
E221	Education in Context	M369	Differential Equations
E222	Australian Education	*M407	Computer Studies Project
E241	Processes of Learning	N211	Waste Treatment and Recycling
F273	Social Studies and the Curriculum	N214	Mapping and Cartography
E274	Science and the Curriculum	N218	Environmental Biology (1.5 pts) (E opt only)
E282	English and the Primary Curriculum		
E285	Maths and the Primary Curriculum	*N222	Pollutants and Toxicology
E422	National Edn Pol. & Admin.	N225	Population and World Resources Project (4 pts)
E423	Knowledge, Persons and Education		
E466	Mathematics Education	N279	Community Ecology (E opt only) (1.5 pts)
H233	Drama East and West		
H237	Contemporary Studies in the Novel	N281	Population Ecology (E opt only) (1.5 pts)
H238	European Lit. and Social Context		
H250	Rural Society in Southeast Asia	*N268	Ecololgy (G opt only) (4 pts)
H257	State and Revolution in Southeast Asia	N285	Ecological Principles (E opt only)
		*N404	Community Science Project (6 pts)
*H268	Revolutionary China	S208	History of Modern Social and Political Theory (6 pts)
H288	Principles of Comparative Lit.	S210	Resource Politics
H290	Popular Literature	S239	Australia and the Global Political Economy since 1945
H361	Malay/Indonesian III (E opt only) (6 pts)	*S258	Mineral Economics
H420	Methods of Textual Analysis (4 pts)	S259	European Socialism and Revolution (6 points)
H421	The Frontiers of Literature (4 pts)		
M201	Thermodynamics (E opt only)	S261	Business Enterprises, Markets & Consumers (4.5 pts)
M205	Measurement Science (E opt only)		

PART II (cont.)

M215	Applied Statistics (E opt only)	S263	Economic Development
M220	Waves	S270	Australian Monetary & Fiscal Policy (4.5 pts)
M221	Electronics (E opt only)		
M222	Interactions and Fields	S276	Economic and Social History of South East Asia
M237	Chemistry IIA (E opt only)		
M240	Analytical Chemistry	S278	Western Australia from 1829
M261	Mathematical Methods	S279	Australian Social History II
M276	Matrix and Computational Methods	S296	Aust. Society & Politics (6 pts)

Master in Literature and Communication

H501 Literary Structures (4 pts)
*H510 Author Study (4 pts)
H515 Representation and Sexual Difference (4 pts)

* Courses offered for the first time in the external mode September 1984

SEMESTER 2 - 1985

PART I

E160	Multi Arts and the Primary Curriculum (F opt only)	M161	Principles of Mathematics (Repeat)
H102	Foundations of Communication Studies	M162	Cultural Mathematics
H103	Introduction to the Study of Language	M180	Introduction to Statistics
H121	Introduction to Literary Studies	M183	Statistical Methods
H140	Introduction to Contemporary China	N102	Introduction to Environmental Science
H161	Malay/Indonesian I (F opt only)	S106	Introduction to Philosophy
M102	Principles of Computer Programming (Repeat)	S131	Introduction to Social and Political Theory
M130	Geological Processes	S133	Introduction to Australian Political Institutions
M131	Extractive Metallurgy I	S161	Introduction to Economics (Repeat)
M141	Principles of Chemistry (F opt only)	S162	Australian Economic Institutions
		S181	Introduction to History

PART II

E210	Education Studies Project (Repeat)	M268	Statistical Analysis
E223	Philosophy of Education	*M272	Operations Research Techniques
E224	Sociology of Education	M273	Vector Spaces
E242	Educational Psychology	M312	Solid Surface Physics
E244	Educational Measurement	M313	Systems Programming (F opt only)
E277	Diagnostic Teaching	M358	Pyrometallurgical Processes
E283	Social Studies & the Primary Curriculum (1.5 pts) (F opt only)	M365	Algebraic Structures
		*M407	Computer Studies Project (Repeat)
E284	Science and the Primary Curriculum (1.5 pts) (F opt only)	N212	Population Resources and Environment
E402	Curriculum Processes and Issues	N213	Climate, Weather and Man
E434	Education in Cross-Cultural Perspective	N217	Air Pollution Meteorology
E441	Advanced Educational Psychology I	N225	Population and World Resources Project (4 pts) (Repeat)
E471	Classroom Research Project	*N404	Community Science Project (6 pts) (Repeat)
H239	Studies in Poetry	S205	Philosophy of the Social Sciences
*H244	Asian Lit. & Literary Theory	S215	Women, Capitalism & the Family
H261	Malay/Indonesian II (F opt only) (3 pts)	S238	Aboriginal History
H266	Indonesian Religious History	S260	Macro-Economic Theory & Policy (4.5 pts)
H282	Drama Society and Politics	S265	Australian Economic History
H289	Literary Theory	S267	Resource 7 Environmental Economics
H361	Malay/Indonesian III (6 pts) (F opt only)	S271	Theories of Capital Growth and Distribution (4.5 pts)
H422	Comparative Drama Theory (4 pts)	S274	Public Finance
H423	Language as Ideology (4 pts)	S275	Australian Social History I
M202	Properties of Matter	S285	Approaches to History
M214	Computer Science	S299	Third World Transformation & the International Order (6 pts)
+M234	Resources Recycling (1.5 or 3 pts)		
M254	Mineral and EnergyResources		

PART II (cont.)

M255 Processes of Extractive Metallurgy
M261 Mathematical Methods (Repeat)
M263 Complex Variable

Master in Literature and Communication

*H509 Reading Television (4 pts)
H513 Mass Communication Systems (4 pts)
H514 Poetry and Poetics (4 pts)

* Courses offered for the first time in the external mode

\+ 1.5 or 3 points, depending on whether or not students complete the project component.

PROGRAMMES AND COURSES AVAILABLE IN THE EXTERNAL MODE

INSTITUTION: TECHNICAL EXTENSION SERVICE

UNITS TITLE	AWARD GRANTED
Accounting 1B	CERTIFICATE/DIPLOMA
Accounting 2A	CERTIFICATE/DIPLOMA
Accounting 2B	CERTIFICATE/DIPLOMA
Accounting 3A	CERTIFICATE/DIPLOMA
Accounting 3B	CERTIFICATE/DIPLOMA
Accounting Administration	DIPLOMA
Accounting Controls	DIPLOMA
Accounting Systems	DIPLOMA
Acoustics	DIPLOMA
Acoustics & Vibrations	DIPLOMA
Administrative Law 1	CERTIFICATE/DIPLOMA
Advertising	NO AWARD
Adult Literacy	NO AWARD
Aeroplane Operation 1	) NO AWARD
Aeroplane Perfrmnce. & Operation 1	) NO AWARD
Aeroplane Perfrmnce. & Operation 2	) NO AWARD
Aircraft Performance 1	) NO AWARD
Agricultural Botany 1A	CERTIFICATE
Agricultural Marketing	CERTIFICATE/DIPLOMA
Agricultural Pest Control	CERTIFICATE/DIPLOMA
Agricultural Project	CERTIFICATE/DIPLOMA
Agricultural Science	CERTIFICATE/DIPLOMA
Agricultural Experimentation	CERTIFICATE/DIPLOMA
Agricultural Protection A	CERTIFICATE/DIPLOMA
Agricultural Protection B	CERTIFICATE/DIPLOMA
Agriculture Resource Techniques	CERTIFICATE/DIPLOMA
Air Navigtn & Flight Planning 1	NO AWARD
Analytical Chemistry Organic	DIPLOMA
Analytical Chemistry Inorganic	DIPLOMA
Anatomy and Physiology	
Animal Husbandry	CERTIFICATE/DIPLOMA
Animal Production Techniques	CERTIFICATE/DIPLOMA
Applied Mathematics 2S	DIPLOMA
Applied Mechanics 1	CERT.
Applied Mechanics 2 Marine	NO AWARD
Applied Survey Mathematics	DIPLOMA
Architectural Mathematics	CERTIFICATE/DIPLOMA
Architectural Structure 1A	CERTIFICATE/DIPLOMA
Artificial Flower Making	NO AWARD
Astronomy A	DIPLOMA
Audio Typing 1	CERTIFICATE/DIPLOMA
Audio Typing 2	CERTIFICATE/DIPLOMA
Audio Typing 3	CERTIFICATE/DIPLOMA
Australian Government & Legal Systems	CERTIFICATE/DIPLOMA
Australia Post Administration	CERTIFICATE
Australia Post Marketing	CERTIFICATE
Australia Post Sales	CERTIFICATE
Auto Electrical Fitt. St 1	CERT. TRADE STUDIES
Auto Electrical Fitt. St 2 (Old 2)	CERT. TRADE STUDIES

UNITS TITLE	AWARD GRANTED
Auto Electrical Fitt. St 3	CERT. TRADE STUDIES
Auto Elec. Fitt. St 3. (New St 3) 87-049	CERT. TRADE STUDIES
Auto Electrical Fitt. St 4 (Old 4)	CERT. TRADE STUDIES
Automotive Electricity (Old)	NO AWARD
Automotive Electrical Systems	NO AWARD
Auto Mechanical St 1	)CERT TRADE STUDIES
Auto Mechanical St 2A (old St 2)	) "
Auto Mechanical St 2B (old St 3)	) "
Auto Mechanical St 3 (old St 4)	) "
Automotive Diesel 1	) part of -
Automotive Power 1	) Certificate of
Automotive Power 2	) Automotive
Automotive Science	) Engineering
Automotive Traction	)
Banking Practice	DIPLOMA
Beef Cattle Husbandry	CERTIFICATE/DIPLOMA
Biology 1	CERTIFICATE/DIPLOMA
Biology 2	CERTIFICATE/DIPLOMA
Boat Handling	CERTIFICATE/DIPLOMA
Boat Knowledge	CERTIFICATE/DIPLOMA
Boiler Attendance	NO AWARD
Bookkeeping General	NO AWARD
Bookkeeping For Co-op Companies	NO AWARD
Botany 1A	CERTIFICATE/DIPLOMA
Bricklaying Stage 1	CERT. TRADE STUDIES
Bricklaying Stage 2	"
Bricklaying Stage 3	"
Bridges	DIPLOMA
Builders' Bookkeeping & Costing	CERTIFICATE/DIPLOMA
Building Construction 1B	"
Building Construction 1R	"
Building Construction 2B	"
Building Construction 3B	"
Building Construction Drawing 1	"
Building Construction Drawing 2	"
Building Law	"
Building Organization 1	"
Building Organization 2	"
Building Science B	"
Business Communication 1A	"
Business Communication 1B	"
Business Computer Systems A)	"
Business Computer Systems B)	"
Business Law 1A	"
Business Law 1B	"
Business Law 2A	DIPLOMA
Business Law 2B	DIPLOMA
Business Maths & Statistics 1	CERTIFICATE DIPLOMA
Business Maths & Statistics 2A	DIPLOMA
Business Maths & Statistics 2B	DIPLOMA
Business Practice	CERTIFICATE/DIPLOMA
Business procedures 1	CERTIFICATE/DIPLOMA

UNITS TITLE	AWARD GRANTED
Counselling	CERTIFICATE/DIPLOMA
Crane Chaser/Dogman Course (STA)	CERTIFICATE
Credit & Theory Practice)	CERTIFICATE/DIPLOMA
Criminal Law)	CERTIFICATE/DIPLOMA
Crop & Pasture Techniques	CERTIFICATE/DIPLOMA
Data Processing Prncpls & Applctn	DIPLOMA
Declared Animal Control	CERTIFICATE/DIPLOMA
Declared Plant Control	CERTIFICATE/DIPLOMA
Design 1D (Graphic)	CERTIFICATE
Design (Timber)	DIPLOMA
Diesel Engines High Speed	
Display Lettering 1	CERTIFICATE
Drama Practical	NO AWARD
Drawing 1 (Marine)	CERT.
Drawing 1AS	CERTIFICATE/DIPLOMA
Drawing 1 Engineering	CERTIFICATE/DIPLOMA
Drawing 1D	CERTIFICATE
Drawing 2 Engineering	CERTIFICATE/DIPLOMA
Drawing 2AS	CERTIFICATE/DIPLOMA
Drawing 2D	CERTIFICATE
Drawing 2E (Electrical)	CERTIFICATE/DIPLOMA
Drawing 3 Civil	CERTIFICATE/DIPLOMA
Drawing 3 Mechanical	CERTIFICATE/DIPLOMA
Dressmaking 1C	CERTIFICATE
Dressmaking 2C	CERTIFICATE
Dressmaking, Elementary	NO AWARD
Dressmaking, Practical Home	NO AWARD
Drilling 1	NO AWARD
Economic Geography	CERTIFICATE/DIPLOMA
Economics 1A	CERTIFICATE/DIPLOMA
Economics 1B	CERTIFICATE/DIPLOMA
Economics 2G	DIPLOMA
Electrical 1C	CERTIFICATE
Electrical Design 1	CERTIFICATE
Electrical Drawing 1D	CERTIFICATE/DIPLOMA
Electrical Engineering 1D	CERTIFICATE/DIPLOMA
Electrical Engineering 2D	CERTIFICATE/DIPLOMA
Electrical Fitting Stg 1)	CERT. TRADE STUDIES
Electrical Installing 1)	CERT. TRADE STUDIES

UNITS TITLE	AWARD GRANTED
Family Law	DIPLOMA
Family Welfare	CERTIFICATE DIPLOMA
Farm Bookkeeping	CERTIFICATE DIPLOMA
Farm Budgeting	CERTIFICATE DIPLOMA
Farm Development	CERTIFICATE/DIPLOMA
Farm Finances	NO AWARD
Farm Mechanics 1	CERTIFICATE/DIPLOMA
Farm Mechanics 2	CERTIFICATE/DIPLOMA
Finance Broking Practice 1	COURSE
Finance Broking Practice 2	COURSE
Financial Management 1)	CERTIFICATE/DIPLOMA
Financial Management 2)	CERTIFICATE/DIPLOMA
Fishing Technology 1	CERTIFICATE/DIPLOMA
Fitting & Machining St 1	
Fitt & Machng St 2A (Old St 2)	CERT TRADE STUDIES
Fitt. & Machng St 2B (Old St 3)	CERT TRADE STUDIES
Fitt. & Machng St 3 (Old St 4)	CERT TRADE STUDIES
Fluid Mechanics	DIPLOMA
Food and Nutrition	NO AWARD
Freelance Journalism	NO AWARD
French 1	CERTIFICATE/DIPLOMA
French 2	CERTIFICATE/DIPLOMA
French 3	CERTIFICATE/DIPLOMA
French 4	CERTIFICATE/DIPLOMA
Fruit Growing in WA	
General Drawing 1	NON AWARD
General Drawing 2	NON AWARD
General Insrnce Underwriting 1	DIPLOMA
General Psychology	CERTIFICATE/DIPLOMA
General Welding Practice	
Genetics 2A	
Geography 2	CERTIFICATE/DIPLOMA
Geology 2	CERTIFICATE/DIPLOMA
German 1	CERTIFICATE/DIPLOMA
Government 1)	DIPLOMA
Government 2)	DIPLOMA
Government 3)	DIPLOMA
Government Administration 1)	CERTIFICATE DIPLOMA
Government Administration 2)	CERTIFICATE DIPLOMA
Government Accounting 1A)	CERTIFICATE DIPLOMA
Government Accounting 1B)	CERTIFICATE DIPLOMA
Government Finance 1	DIPLOMA
Government Finance & Accntng 1	CERTIFICATE DIPLOMA
Grain Handling	CERTIFICATE/DIPLOMA
Grain Marketing	CERTIFICATE/DIPLOMA
Grain Processing	CERTIFICATE/DIPLOMA
Grain Sampling	CERTIFICATE/DIPLOMA
Grain Storage	CERTIFICATE/DIPLOMA
Group Dynamics	CERTIFICATE/DIPLOMA

UNITS TITLE	AWARD GRANTED
Health	CERTIFICATE/DIPLOMA
Health Mathematics	NON AWARD
Heat Engines 1	CERTIFICATE
Heat Engines 2	NON AWARD
History 1AS	CERTIFICATE/DIPLOMA
History 2AS	CERTIFICATE/DIPLOMA
History 3AS	CERTIFICATE/DIPLOMA
History 4AS	CERTIFICATE/DIPLOMA
History 2	CERTIFICATE/DIPLOMA
Home Decoration	NO AWARD
Home Management	NO AWARD
Horsemanship 1	CERTIFICATE
Horsemastership 1	CERTIFICATE
Horsemastership 2	CERTIFICATE
Horticultural Botany 1	CERTIFICATE/DIPLOMA
Horticultural Botany 2	CERTIFICATE/DIPLOMA
Horticultural Equipment	CERTIFICATE/DIPLOMA
Horticultural Soils 1	CERTIFICATE/DIPLOMA
Horticultural Soils 2	CERTIFICATE/DIPLOMA
Horticultural Techniques	CERTIFICATE/DIPLOMA
Hospital Accounting & Financial Management	DIPLOMA
Hospital Law A)	"
Hospital Law B)	"
Hospital Plang. & Const. Com A)	"
Hospital Plang. & Const. Com B)	"
Hospital Systems and Organisation A)	"
Hospital Systems and Organisation B)	"
Hospital Systems & Organisation	"
Hostel Accounting & Mangmnt	CERTIFICATE/DIPLOMA
Human and Social Biology	NON AWARD
Human Performance	
Hydraulics (Fire Officers)	DIPLOMA
Hydraulics 1	CERTIFICATE/DIPLOMA
Hydraulics 2	DIPLOMA
Hydrology A	DIPLOMA
Hydrology B	DIPLOMA
Industrial Law 1	CERTIFICATE/DIPLOMA
Industrial Pest Control	CERTIFICATE/DIPLOMA
Industrial Relations	CERTIFICATE/DIPLOMA
Instructional Techniques	CERTIFICATE/DIPLOMA
Instructional Technology	CERTIFICATE/DIPLOMA
Insurance 1)	DIPLOMA
Insurance Finance & Investmnts)	DIPLOMA
Insurance Law (General))	DIPLOMA
Insurance Law (Life))	DIPLOMA
Interior Decoration	NO AWARD
Interior Decoration (Arrng yr Furn)	NO AWARD
Interior Decoration (Decor yr home)	NO AWARD
Interior Decoration (Intro Antq Frn)	NO AWARD
Interior Decoration (Plan yr house)	NO AWARD

UNITS TITLE	AWARD GRANTED
Internal Combustion Engines	NO AWARD
International Economics	CERTIFICATE/DIPLOMA
Introduction to Creative Writing	NO AWARD
Introductory Property Law	CERTIFICATE/DIPLOMA
Italian 1	CERTIFICATE/DIPLOMA
Italian 2	"
Italian 3	"
Italian 4	"
IAME (Coaching Course)	NO AWARD
Job Analysis	CERTIFICATE/DIPLOMA
Justice of Peace Course	SHORT COURSE/DIPLOMA
Laboratory Procedures	CERTIFICATE/DIPLOMA
Laboratory Techniques 1	CERTIFICATE/DIPLOMA
Laboratory Techniques 2A	CERTIFICATE/DIPLOMA
Laboratory Techniques 2B	CERTIFICATE/DIPLOMA
Laboratory Workshop	CERTIFICATE/DIPLOMA
Labour Relations A)	CERTIFICATE/DIPLOMA
Labour Relations B)	CERTIFICATE/DIPLOMA
Ladies Hairdressing Stg 1	CERT TRADE STUDIES
Ladies Hairdressing Stg 2	"
Ladies Hairdressing Stg 3	"
Land Assessment	
Landscape Sketching	NO AWARD
Landscape Sketching (advncd)	NO AWARD
Land Studies	NO AWARD
Law and Regulations (Survyng)	DIPLOMA
Law of Contract	CERTIFICATE/DIPLOMA
Law of Real Property	CERTIFICATE/DIPLOMA
Law of Torts 1	CERTIFICATE/DIPLOMA
Leaching Processes	
Legal Principles	CERTIFICATE/DIPLOMA
Legal Responsibilities	CERTIFICATE/DIPLOMA
Legislation and Policies	CERTIFICATE/DIPLOMA
Lending and Securities	DIPLOMA
Lettering	NO AWARD
Lettering 1D	CERTIFICATE
Life Policy Acceptance and Administration 1	DIPLOMA
Life Policy Acceptance and Administration 2	DIPLOMA
Local Government Accounts 1)	DIPLOMA
Local Government Accounts 2)	"
Local Government Accounts 3	"
Local Government Law 1	"
Local Government Law 2	"
Local Government Law 1A	"
Local Government Law 2A	"
Machine Design 1	DIPLOMA
Machine Design 2	DIPLOMA
Macrame	NO AWARD
Management Analysis	CERTIFICATE/DIPLOMA

UNITS TITLE	AWARD GRANTED
Management Finance 1	DIPLOMA
Management Finance 2	DIPLOMA
Management Techniques	CERTIFICATE/DIPLOMA
Map & Planning Compilation	CERTIFICATE/DIPLOMA
Marine Engine Driver Grade 1	NO AWARD
Marine Engine Driver Grade 2	NO AWARD
Marine Engine Driving	CERTIFICATE/DIPLOMA
Marine Signalling 1	CERTIFICATE/DIPLOMA
Marine Meteorology 1	CERTIFICATE/DIPLOMA
Market Research	DIPLOMA
Marketing Management 1A	CERTIFICATE/DIPLOMA
Marketing Management 1B	CERTIFICATE/DIPLOMA
Marketing Management 1	CERTIFICATE/DIPLOMA
Marketing Management 2A	DIPLOMA
Marketing Management 2B	DIPLOMA
Materials 1	CERTIFICATE/DIPLOMA
Materials 2C	CERTIFICATE/DIPLOMA
Materials 3C	DIPLOMA
Materials 2M	CERTIFICATE/DIPLOMA
Mathematics 1 (Engineering)	CERTIFICATE/DIPLOMA
Mathematics 1E	NON AWARD
Mathematics 1F	CERTIFICATE/DIPLOMA
Mathematics 2 (Engineering)	CERTIFICATE/DIPLOMA
Mathematics 2F	CERTIFICATE/DIPLOMA
Mathematics 2D (Electrical)	DIPLOMA (NOT OFFERED)
Mathematics 2S	DIPLOMA
Mathematics 3 Engineering	DIPLOMA
Mathematics 3S	DIPLOMA
Mathematics (Marine)	CERTIFICATE
Mathematics Remedial	NON AWARD
Meat Industry Stage 1	CERT TRADE STUDIES
Meat Industry Stage 2	"
Meat Inspection 1	CERTIFICATE/DIPLOMA
Meat Inspection 2	CERTIFICATE/DIPLOMA
Mechanical Equipment	CERTIFICATE/DIPLOMA
Mechanical Fitt. St 2B (old St 3)	
Mechanical Services 1	
Mechanical Services 2	
Mechanical Technology	DIPLOMA
Mechanical Fitt. St 3 (old St 4)	
Mechanics 1	CERTIFICATE/DIPLOMA
Mechanics 2	CERTIFICATE/DIPLOMA
Mechanics of Machines	DIPLOMA
Metal Fabrication Stage 1	CERT TRADE STUDIES
Metal Fabrication Stage 2	CERT TRADE STUDIES
Meteorology 1	NO AWARD
Meteorology 2	NO AWARD
Method Study	CERTIFICATE/DIPLOMA
Mineral Dressing	CERTIFICATE/DIPLOMA
Mineral Processing 1	CERTIFICATE
Mining 1	CERTIFICATE/DIPLOMA
Mining 2	CERTIFICATE/DIPLOMA

UNITS TITLE	AWARD GRANTED
Modern English (Foreign Stdnts)	NO AWARD
Mortuary Management 1	CERTIFICATE
Motor Maintenance 1	NO AWARD
Municpl & Landscape Gardening (Nursery Practice)	NON AWARD
Municipal & Legal Framework)	DIPLOMA
Municipal Corporation Law)	DIPLOMA
Municipal Practice A1))	DIPLOMA
Municipal Practice A2))	DIPLOMA
Municipal Practice B1))	DIPLOMA
Municipal Practice B2))	DIPLOMA
Municipal Practice C1))	DIPLOMA
Municipal Practice C2))	DIPLOMA
Nautical Knowledge 1 (Fishing)	CERTIFICATE/DIPLOMA
Nautical Knowledge - Coxswain	NO AWARD
Nautical Knowledge - Mstr Class 5	NO AWARD
Naval Architecture 1	NO AWARD
Necropsy Science	CERTIFICATE
Noise Control for Businessmen	NON AWARD
Noise Control	DIPLOMA
Noise Evaluation	DIPLOMA
Nucleonics	DIPLOMA
Numeracy	NO AWARD
Ocean Navigation	CERTIFICATE/DIPLOMA
Office Administration	CERTIFICATE/DIPLOMA
Office Organization	CERTIFICATE/DIPLOMA
Office Practice 1	CERTIFICATE/DIPLOMA
Office Practice 2	CERTIFICATE/DIPLOMA
Offshore Navigation	CERTIFICATE/DIPLOMA
Oil Painting	NON AWARD
Organic Chemistry 1	CERTIFICATE?DIPLOMA
Organisational Psychology	
Organization Theory	CERTIFICATE/DIPLOMA
Organisation Theory 1	CERTIFICATE/DIPLOMA
Organisations 1A	CERTIFICATE/DIPLOMA
Organisations 1B	CERTIFICATE/DIPLOMA
Painters Estimating)	CERTIFICATE
Painters Technology)	"
Painters Recording & Costing	"
Painting 1AS	CERTIFICATE/DIPLOMA
Painting, Sign & Dec. Stg 1	CERT TRADE STUDIES

UNITS TITLE	AWARD GRANTED
Painting, Sign & Dec. Stg 2)	CERT TRADE STUDIES
Painting, Sign & Dec. Sg 3)	"
Panelbeating Stg 1)	"
Panelbeating Stg 2)	"
Panelbeating Stg 3)	"
Pastrycooking Stage 1	PART OF CERT TS "
Pathology 1	CERTIFICATE
Pathology 2	CERTIFICATE
Pattern Cutting 1	CERTIFICATE/DIPLOMA
Pattern Cutting 2	CERTIFICATE/DIPLOMA
Personnel Management	CERTIFICATE/DIPLOMA
Personnel Management (Advanced)	"
Personnel Records	"
Personnel Selection	"
Personnel Techniques	"
Pest Control 1	"
Pest Control 2	"
Philosophy 1	
Photogrammetry 1 (New)	CERTIFICATE/DIPLOMA
Photogrammetry for Surveyors	DIPLOMA
Photogrammetry 2 (New) Theory	DIPLOMA
Physics 1	CERTIFICATE/DIPLOMA
Physics 2D	"
Physics 2	"
Physics 3D	DIPLOMA
Physiology & Anatomy IAII	
Pig Husbandry	CERTIFICATE/DIPLOMA
Police Supervision Techniques A	CERTIFICATE
Police Supervision Techniques B	CERTIFICATE
Pool Operation Theoretical	CERTIFICATE
Pool Plant	CERTIFICATE
Pottery	NO AWARD
Poverty	CERTIFICATE/DIPLOMA
Power Hydraulics 1	
Power Station Plant	CERTIFICATE
Powers and Duties A)	CERTIFICATE/DIPLOMA
Powers and Duties B)	
Practice & Procedure 1	CERTIFICATE/DIPLOMA
Practice & Procedures (ADV)	DIPLOMA
Meetings Procedures & Companies	
Principles of Cartography	CERTIFICATE/DIPLOMA
Principles of Public Health	
Principles of Flight 1	NO AWARD
Principles of Flight 2	NO AWARD
Product Illustration	CERTIFICATE
Product Organization	NO AWARD
Programming 1 Basic	CERTIFICATE/DIPLOMA
Programming 1 (Basic Plus)	"
Programming 1 (Pascal)	"
Programming 2 (Cobol)	"

UNITS TITLE	AWARD GRANTED
Project Planning Agriculture	CERTIFICATE/DIPLOMA
Psychology 1	"
Psychology 1G	"
Psychology 2A	
Psychology 2B	
Public Health Administration	DIPLOMA
Public Relations	NO AWARD
Quantitative Methods A	CERTIFICATE/DIPLOMA
Quantitative Methods B	CERTIFICATE/DIPLOMA
Quantities 1B)	CERTIFICATE/DIPLOMA
Quantities 2B)	"
Quantities 3B and Pricing)	"
Quarrying 1	CERTIFICATE/DIPLOMA
Quarrying 2	CERTIFICATE/DIPLOMA
Radar	CERTIFICATE/DIPLOMA
Radar Master Class 4	NO AWARD
Radar Master Class 5	NO AWARD
Radio Navigation Aids	NO AWARD
Real Estate Accounting)	CERTIFICATE/DIPLOMA
Real Estate & Business)	SHRT COURSE DIPLOMA
Sales Representative Course)	
Real Estate Finance	DIPLOMA
Real Estate Law 1	CERTIFICATE/DIPLOMA
Real Estate Law 2	CERTIFICATE/DIPLOMA
Real Estate Law 3	DIPLOMA
Real Estate Practice 1	CERTIFICATE/DIPLOMA
Real Estate Practice 2	CERTIFICATE/DIPLOMA
Real Estate Valuation 1	CERTIFICATE/DIPLOMA
Real Estate Valuation 2	DIPLOMA
Receptionist Function	CERTIFICATE/DIPLOMA
Records Management	CERTIFICATE/DIPLOMA
Refrigeration & Air Conditning Plant 1A	DIP. HOSP ENG
Refrigeration & Air Conditning (Parts 1 & 2)	CERT R & A/C
Refrgrtn Fitt. Stg 1)	CERT TRADE STUDIES
Refrgrtn Fitt. Stg 2A (old St 2))	CERT TRADE STUDIES
Refrgrtn Fitt. Stg 2B (old St 3))	CERT TRADE STUDIES
Refrgrtn Fitt. Stg 3 (old St 4))	CERT TRADE STUDIES
Regional Planning	DIPLOMA
Rigging	NO AWARD
Road Construction	CERTIFICATE
Roads and Railways	DIPLOMA

UNITS TITLE	AWARD GRANTED
Safety 1A	CERTIFICATE/DIPLOMA
Safety 1B	"
Salesmanagement	"
Salesmanship	"
Sales Supervision A	"
Sales Supervision B	"
Sales Supervision	"
Secretarial Administration	DIPLOMA ONLY
Shearing Machining Experting	CERTIFICATE/DIPLOMA
Sheep Husbandry 1	CERTIFICATE
Sheep Husbandry 2	CERTIFICATE
Sheep Management	CERTIFICATE/DIPLOMA
Sheetmetal Stage 1 (TES))	CERT TRADE STUDIES
Sheetmetal Stage 2A (TES))	"
Sheetmetal Stage 2B (TES))	"
Sheetmetal Stage 3 (TES))	"
Sheetmetal Work Stg 1)	CERT TRADE STUDIES
Sheetmetal Work Stg 2)	"
Sheetmetal Work Stg 3)	"
Sheetmetal Work Stg 4)	"
Ship Construction 1	NO AWARD
Ship Knowledge Master Class 5	NO AWARD
Shorthand 50 wpm (2000))	NO AWARD
Shorthand 50 wpm (New Era))	NO AWARD
Shorthand Speed	NO AWARD
Shorthand Speed 80 wpm	CERTIFICATE/DIPLOMA
Shorthand Speed 100 wpm	CERTIFICATE/DIPLOMA
Shorthand Speed (New Era))	CERTIFICATE/DIPLOMA
Shorthand Speed (2000))	CERTIFICATE/DIPLOMA
Shorthand Teachers Diploma Pitman	MISC. COMMERCIAL
Short Story Writing	NO AWARD
Short Story Writing (Advanced)	NO AWARD
Social and Economic Structure	CERTIFICATE/DIPLOMA
Social Science 2A	"
Social Science 3	"
Social Statistics	"
Society & Culture	"
Sociology 1	"
Sociology 2	"
Sociology and Economics	"
Sociology of Health	DIPLOMA
Soft Furnishing 1C	CERTIFICATE
Soft Furnishings	NON AWARD
Soil Mechanics 1	DIPLOMA
Soil Science 1A	CERTIFICATE/DIPLOMA
Soil Science 2A	"
Spanish 1	"
Spanish 2	"
Spanish 3	"
Spectrometric Methods 1	DIPLOMA

UNITS TITLE	AWARD
Spray Painting Stg 1)	CERT TRADE STUDIES
Spray Painting Stg 2)	"
Spray Painting Stg 3)	"
Statistical Methods	CERTIFICATE/DIPLOMA
Statistics	CERTIFICATE/DIPLOMA
Steam Engine Driving	NO AWARD
Stenography 1	CERTIFICATE/DIPLOMA
Stenography 2	CERTIFICATE/DIPLOMA
Stenography 3	ASSOC. DIPLOMA
Strength Analysis	DIPLOMA
Strctre & Functn of Food Animals	CERTIFICATE/DIPLOMA
Structures 1	CERTIFICATE/DIPLOMA
Structures 2	DIPLOMA
Supervision (Elements of)	DIPLOMA
Surface Mining 1	DIPLOMA
Surface Mining 2	DIPLOMA
Survey Computations 1	CERTIFICATE/DIPLOMA
Survey Computations 2	CERTIFICATE/DIPLOMA
Surveying 1	CERTIFICATE/DIPLOMA
Surveying 2	CERTIFICATE/DIPLOMA
Surveying 1E	CERTIFICATE/DIPLOMA
Survival at Sea	CERTIFICATE/DIPLOMA
Taxation Law and Practice A	DIPLOMA
Taxation Law and Practice B	DIPLOMA
Teaching English as a Second or Foreign Language	NO AWARD
Techniques of Selection	CERTIFICATE/DIPLOMA
Thermodynamics 1	DIPLOMA
Timber Machining Stage 1	CERT TRADE STUDIES
Timber Practice and Technology	CERT TRADE STUDIES
Trade Mathematics 2	NON AWARD
Transport Economics	DIPLOMA
Transport 1A	CERTIFICATE/DIPLOMA
Transport 1B	CERTIFICATE/DIPLOMA
Transport 2A	CERTIFICATE/DIPLOMA
Transport 2B	CERTIFICATE/DIPLOMA
Transport 2	CERTIFICATE/DIOPLOMA
Transport, Elements of	DIPLOMA
Transport Law A)	CERTIFICATE/DIPLOMA
Transport Law B)	CERTIFICATE/DIPLOMA
Typing 1	CERTIFICATE/DIPLOMA
Typing 2 &)	"
Typing 3)	"
Typing Speed	"
Typing Secretarial	CERTIFICATE/DIPLOMA
Typewriting Teachers' Diploma	NO AWARD

UNITS TITLE	AWARD GRANTED
Veterinary Science 1	NON AWARD
Veterinary Science 2	NON AWARD
WA Labour Law	CERTIFICATE/DIPLOMA
Warehouse Management	CERTIFICATE/DIPLOMA
Watercolour Techngs. (Lndscpe)	NO AWARD
Watercolour Techngs. (Advncd)	NO AWARD
Water Spply, Swrge & Refuse Disposal	DIPLOMA
Welding Stg 1)	CERT TRADE STUDIES
Welding Stg 2A (old Stg 2))	"
Welding Stg 2B (old Stg 3))	"
Welding Stg 3 (old Stg 4))	"
Welfare Law and Procedures A	CERTIFICATE/DIPLOMA
Welfare Practice 1A	CERTIFICATE/DIPLOMA
Welfare Practice 1B	CERTIFICATE/DIPLOMA
Wood Machining Stage 1	CERT TRADE STUDIES
Woolclassing 1	CERTIFICATE
Woolclassing 2	CERTIFICATE
Word II (Beg)	NO AWARD
Workshop Practice C Electrical	CERTIFICATE/DIPLOMA
Workshop Electronics	CERTIFICATE/DIPLOMA
Workshop 1M	CERTIFICATE/DIPLOMA
Work Study 1	CERTIFICATE/DIPLOMA
Zoology 1A	DIPLOLMA
Zoology 2A	DIPLOMA

PROGRAMMES AND COURSES AVAILABLE IN THE EXTERNAL MODE

TECHNICAL EXTENSION SERVICE

	SUBJECTS
18-960	Accounting 1A
18-979	Accounting 1B
18-997	Accounting 2A
19-006	Accounting 2B
19-024	Accounting 3A
19-033	Accounting 3B
19-097	Accounting Administration
19-060	Accounting Controls
18-313	Accounting Systems
55-985	Acoustics
40-617	Acoustics & Vibrations
16-201	Administrative Law 1
16-229	Advertising
63-571	Adult Literacy
24-783	Aeroplane Operation 1
24-198	Aeroplane Performance & Operation 1
24-213	Aeroplane Performance & Operation 2
24-790	Aircraft Performance 1
45-551	Agricultural Botany 1A
46-590	Agricultural Marketing
45-083	Agricultural Pest Control
46-651	Agricultural Project
45-755	Agricultural Science
46-527	Agriculture Experimentation
45-889	Agricultural Protection A
45-904	Agricultural Protection B
46-554	Agriculture Resource Techniques
42-419	Air Conditioning Principles
24-055	Air Navigtn & Flight Planning 1
54-593	Analytical Chemistry Organic
54-584	Analytical Chemistry Inorganic
48-383	Anatomy and Physiology (Nurses)
45-560	Animal Husbandry
46-536	Animal Production Techniques
52-065	Applied Mathematics 2S
42-473	Applied Mechanics 1
40-556	Applied Mechanics 2 Marine
34-577	Applied Survey Mathematics
52-755	Architectural Mathematics
27-285	Architectural Structure 1A
60-138	Artificial Flower Making
34-559	Astronomy A
22-068	Audio Typing 1
22-077	Audio Typing 2
20-901	Australian Government & Legal Systems
19-440	Australia Post Administration

SUBJECTS

19-431	Australia Post Marketing
18-207	Australia Post Sales
87-012	Auto Electrical Fitt. St 1
87-021	Auto Electrical Fitt. St 2 (Old 2)
87-030	Auto Electrical Fitt. St 3
87-049	Auto Elec. Fitt. St 3. (New St 3)
87-049	Auto Electrical Fitt. St 4 (Old 4)
13-044	Automotive Electricity (Old)
13-044	Automotive Electrical Systems
87-067	Auto Mechanical St 1
87-076	Auto Mechanical St 2A (Old St 2)
87-085	Auto Mechanical St 2B (Old St 3)
87-094	Auto Mechanical St3 (Old St 4)
13-822	Automotive Diesel 1
13-114	Automotive Power 1
13-123	Automotive Power 2
13-202	Automotive Science
13-132	Automotive Traction
18-207	Banking Practice
45-603	Beef Cattle Husbandry
48-618	Biology 1
47-636	Biology 2
57-237	Boat Handling
57-228	Boat Knowledge
42-376	Boiler Attendance
22-086	Bookkeeping General
22-101	Bookkeeping For Co-op Companies
47-025	Botany 1A
82-026	Bricklaying Stage 1
82-035	Bricklaying Stage 2
82-044	Bricklaying Stage 3
32-164	Bridges
28-048	Builders' Bookkeeping & Costing
28-084	Building Construction 1B
28-020	Building Construction 1R
28-118	Building Construction 2B
28-136	Building Construction 3B
28-154	Building Construction Drawing 1
28-163	Building Construction Drawing 2
28-181	Building Law
28-057	Building Organization 1
28-066	Building Organization 2
28-206	Building Science B
63-766	Business Communication 1A
63-757	Business Communication 1B
19-857	Business Computer Systems A
19-866	Business Computer Systems B

SUBJECTS

19-972	Business Law 1A
19-981	Business Law 1B
19-990	Business Law 2A
20-008	Business Law 2B
18-988	Business Maths & Statistics 1
19-015	Business Maths & Statistics 2
19-015	Business Maths & Statistics 2
20-886	Business Maths & Statistics 2A
20-895	Business Maths & Statistics 2B
15-518	Business Practice
15-527	Business Procedures 1
84-022	Cabinetmaking Stage 1
84-420	Cabinetmaking Stage 2
34-489	Cadastral Surveying
59-224	Cake Decorating 1P
52-764	Calculating Processes
52-296	Calculating Techniques 1
82-099	Carpentry & Joinery St 1
82-105	Carpentry & Joinery St 2
82-114	Carpentry & Joinery St 3
34-443	Cartographic Computations
34-434	Cartographic Drafting
49-012	Casework
60-518	Catering for Hostels
10-425	Ceramics Drawing
45-728	Cereal Agronomy
45-719	Cereal Chemistry
54-070	Chemistry (Preparatory)
54-380	Chemistry 1
54-399	Chemistry 2
54-432	Chemistry 3
49-021	Child Welfare
57-592	Coastal Navigation
57-042	Coastal Navigation Skip Gr 2
57-990	Coastal Navigation Mstr Cl 5
22-679	Commercial & Legal Procedures
22-679	Commercial & Civic Principles
16-177	Commercial & Office Management
52-597	Commercial Calculations
15-563	Commercial Law C
20-594	Commercial Legal Framework
63-100	Communication 1
63-128	Communication 2
63-410	Communication A
37-178	Communication Systems
37-628	Communication Systems 1
48-462	Community Health
49-076	Community Resources
51-187	Computer Systems 1
51-257	Computer Systems 2
52-889	Computer Techniques 1

SUBJECTS

32-030	Construction Practices
15-712	Controllership
95-121	Cooking Stage 1
95-130	Cooking Stage 2
95-149	Cooking Stage 3
19-079	Costing Procedures A
19-088	Costing Procedures B
49-085	Counselling
28-534	Crane Chaser/Dogman Course (STA)
15-697	Credit & Theory Practice
16-609	Criminal Law
46-563	Crop & Pasture Techniques
18-890	Data Processing Prncpls & Applctn
45-922	Declared Animal Control
45-913	Declared Plant Control
10-197	Design 1D (Graphic)
32-465	Design (Timber)
13-293	Diesel Engines High Speed
10-276	Display Lettering 1
*63-605	Drama Practical
42-482	Drawing 1 (Marine)
10-300	Drawing 1AS
42-941	Drawing 1 Engineering
10-391	Drawing 1D
43-023	Drawing 2 Engineering
10-319	Drawing 2AS
10-407	Drawing 2D
35-419	Drawing 2E (Electrical)
32-076	Drawing 3 Civil
40-820	Drawing 3 Mechanical
59-400	Dressmaking 1C
59-419	Dressmaking 2C
59-507	Dressmaking, Elementary
59-516	Dressmaking, Practical Home
56-270	Drilling 1
16-043	Economic Geography
16-353	Economics 1
16-371	Economics 2G
35-093	Electrical 1C
35-400	Electrical Design 1
35-437	Electrical Drawing 1D
35-446	Electrical Engineering 1D
35-455	Electrical Engineering 2D
90-065/010	Electrical Fitting Stg 1) Electrical Installing 1)

	SUBJECTS
90-074	Electrical Fitting Stg 2)
90-029	Electrical Installing 2)
90-083	Electrical Fitting Stg 3)
90-038	Electrical Installing Stg 3)
90-092	Electrical Fitting Stg 4)
90-047	Electrical Installing Stg 4)
35-057	Electrical Machines 1
52-986	Electrical Mathematics 1
52-995	Electrical Mathematics 2
90-621	Electrical Principles (ETR1)
35-394	Electrical Systems 1
90-630	Electrical Trade Theory & Prac ETR
35-145	Electrical Technology
35-136	Electrical Technology (TES)
90-782	Electrical Winding 1
90-843	Electrical Winding 2
37-497	Electronic Design 1
37-488	Electronic Principles 2
37-479	Electronic Systems 1
37-105	Electronics 1C
37-202	Electronics 1D
37-114	Electronics 2C
37-211	Electronics 2D
35-376	Electrotechnology 1
49-483	Elementary Psychology
78-254	Elements of Shipboard Safety
20-637	Elements of Supervision A
20-646	Elements of Supervision B
17-958	Employment Law
32-368	Engineering Geology
42-516	Engineering Knowledge 1C
42-534	Engineering Knowledge 1D
32-261	Engineering Specifications
42-862	Engineering Supervision
24-046	Engines and Aeroplane Systems
24-222	Engines, Systems & Instrumentn.
63-429	English 1K (Modules)
63-614	English 1L
63-270	English for Foreign Students
48-471	Environmental Health 1
48-480	Environmental Health 2
48-541	Environmental Health Planning
45-959	Environmental Management
48-505	Environmental Science
45-940	Environmental Science 1
48-514	Epidemology & Biostatistics
16-627	Evidence
16-432	Export Law and Insurance
16-450	Export Marketing 1
16-469	Export Marketing 2

SUBJECTS

16-478	Export Practice 1
16-487	Export Practice 2
45-931	Extension Practice
16-335	Equity 1
16-326	Family Law
50-023	Family Welfare
45-162	Farm Bookkeeping
46-572	Farm Budgeting
45-199	Farm Development
46-581	Farm Finances
45-171	Farm Mechanics 1
45-180	Farm Mechanics 2
16-511	Financial Management 1
16-520	Financial Management 2
57-343	Fishing Technology 1
85-371	Fitting & Machining St 1
85-380	Fitt & Machng St 2A (Old St 2)
85-399	Fitt & Machng St 2B (Old St 3)
85-405	Fitt & Machng St 3 (Old St 4)
40-732	Fluid Mechanics
60-101	Food and Nutrition
*63-234	Freelance Journalism
64-538	French 1
64-547	French 2
64-556	French 3
64-565	French 4
45-205	Fruit Growing in WA
*11-109	General Drawing 1
*11-118	General Drawing 2
18-322	General Insrnce Underwriting 1
49-942	General Psychology
42-242	General Welding Practice
45-597	Genetics 2A
65-221	Geoegraphy 2
56-191	Geology 2
64-431	German 1
17-000	Government 1
17-019	Government 2
17-028	Government 3
20-558	Government Administration 1
20-585	Government Administration 2
20-567	Government Accounting 1A
20-576	Government Accounting 1B
16-548	Government Finance 1
18-872	Government Finance & Accntng 1
45-685	Graining Handlikng
45-746	Grain Marketing
45-737	Grain Processing
45-658	Grain Sampling
45-676	Grain Storage
49-094	Group Dynamics

	SUBJECTS
52-409	Health Mathematics
42-525	Heat Engines 1
40-547	Heat Engines 2
10-489	History 1AS
10-498	History 2AS
10-504	History 3AS
10-513	History 4AS
65-203	History 2
60-110	Home Decoration
*60-095	Home Management
*47-706	Horsemanship 1
47-690	Horsemastership 1
47-715	Horsemastership 2
47-399	Horticultural Botany 1
47-405	Horticultural Botany 2
45-773	Horticultural Equipment
45-791	Horticultural Soils 1
45-807	Horticultural Soils 2
46-545	Horticultural Techniques
17-523	Hospital Accounting & Financial Management
17-499	Hospital Law A
17-505	Hospital Law B
20-053	Hospital Plang. & Const. Com A
20-062	Hospital Plang. & Const. Com B
17-994	Hospital Systems and Organisation A
18-004	Hospital Systems and Organisation B
17-514	Hospital Systems & Organisation
18-289	Hostel Accounting & Mngmnt
48-824	Human and Social Biology
49-669	Human Performance
42-385	Hydraulics (Fire Officers)
32-094	Hydraulics 1
32-119	Hydraulics 2
34-601	Hydrology A
34-610	Hydrology B
16-575	Industrial Law 1
48-578	Industrial Pest Control
16-593	Industrial Relations
66-251	Instructional Techniques
49-562	Instructional Technology
18-304	Insurance 1
18-386	Insurance Finance & Investments
18-340	Insurance Law (General)
18-359	Insurance Law (Life)
60-129	Interior Decoration
*72-387	Interior Decoration (Arrng yr Furn)

	SUBJECTS
*72-354	Interior Decoration (Decor yr home)
*72-386	Interior Decoration (Intro Antq Frn)
*72-353	Interior Decoration (Plan yr house)
42-358	Internal Combustion Engines
16-502	International Economics
65-313	Introduction to Creative Writing
18-410	Introductory Property Law
64-574	Italian 1
64-583	Italian 2
64-592	Italian 3
64-608	Italian 4
13-390	IAME (Coaching Course)
49-599	Job Analysis
16-636	Justice of Peace Course
58-638	Laboratory Procedures
55-064	Laboratory Techniques 1
58-601	Laboratory Techniques 2A
58-610	Laboratory Techniques 2B
55-727	Laboratory Workshop
44-680	Labour Relations A
19-158	Labour Relations B
97-057	Ladies Hairdressing Stg 1
97-066	Ladies Hairdressing Stg 2
97-075	Ladies Hairdressing Stg 3
34-160	Land Assessment
*11-066	Landscape Sketching
*11-075	Landscape Sketching (advncd)
34-638	Land Studies
64-334	Latin Elementary
34-258	Law and Regulations (Survyng)
16-292	Law of Contract
16-238	Law of Real Property
16-274	Law of Torts 1
42-978	Leaching Processes
60-2262	Leatherwork
16-645	Legal Principles
18-298	Legal Responsibilities
45-898	Legislation and Policies
18-216	Lending and Securities
*11-163	Lettering
10-674	Lettering 1D
18-331	Life Policy Acceptance and Administration 1

	SUBJECTS
18-395	Life Policy Acceptance and Administration 2
19-583	Local Government Accounts 1)
19-592	Local Government Accounts 2)
20-211	Local Government Accounts 3
16-706	Local Government Law 1
16-715	Local Government Law 2
20-196	Local Government Law 1A
20-220	Local Government Law 2A
40-176	Machine Design 1
40-185	Machine Design 2
*60-235	Macrame
16-654	Management Analysis
17-675	Management Finance 1
17-684	Management Finance 2
17-693	Management Techniques
34-425	Map & Planning Compilation
43-078	Marine Engine Driver Grade 1
43-087	Marine Engine Driver Grade 2
57-103	Marine Engine Driving
57-200	Marine Signalling 1
57-185	Marine Meterology 1
16-690	Market Research
17-879	Marketing Management 1A
17-888	Marketing Management 1B
16-672	Marketing Management 1
16-760	Marketing Management 2A
16-788	Marketing Management 2B
42-835	Materials 1
32-377	Materials 2C
32-429	Materials 3C
42-853	Materials 2M
52-959	Mathematics 1 (Engineering)
52-843	Mathematics 1E
52-861	Mathematics 1F
52-870	Mathematics 2 (Engineering)
52-870	Mathematics 2F
52-144	Mathematics 2D (Electrical)
52-171	Mathematics 2S
53-031	Mathematics 3 Engineering
52-180	Mathematics 3S
52-649	Mathematics (Marine)
52-515	Mathematics Remedial
95-051	Meat Industry Stage 1
95-060	Meat Industry Stage 2
48-329	Meat Inspection 1
48-338	Meat Inspection 2
42-950	Mechanical Equipment
85-788	Mechanical Fitt. St 2B (old St 3)
28-826	Mechanical Services 1

	SUBJECTS
28-835	Mechanical Services 2
42-923	Mechanical Technology
85-715	Mechanical Fitt. St 3 (old St 4)
42-844	Mechanics 1
42-783	Mechanics 2
40-705	Mechanics of Machines
22-590	Meetings Procedures (Companies)
86-596	Metal Fabrication
24-064	Meteorology 1
24-073	Meteorology 2
17-602	Method Study
34-346	Mineral Dressing
42-932	Mineral Processing 1
32-243	Mining 1
32-252	Mining 2
63-270	Modern English (Foreign Stdnts)
48-639	Mortuary Management 1
13-433	Motor Maintenance 1
47-292	Municpl & Landscape Gardening (Nursery Practice)
20-187	Municipal & Legal Framework
20-248	Municipal Corporation Law
19-565	Municipal Practice A1)
19-574	Municipal Practice A2)
19-608	Municipal Practice B1)
19-617	Municipal Practice B2)
19-626	Municipal Practice C1)
19-635	Municipal Practice C2)
57-291	Nautical Knowledge 1 (Fishing)
26-015	Nautical Knowledge - Coxswain
26-006	Nautical Knowledge - Mstr Class 5
43-032	Naval Architecture 1
48-620	Necropsy Science
18-951	Noise Control for Businessmen
55-806	Noise Control
55-790	Noise Evaluation
55-107	Nucleonics
53-147	Numeracy
57-617	Ocean Navigation
16-803	Office Administration
16-812	Office Organization
22-138	Office Practice 1
22-536	Office Practice 2
57-608	Offshore Navigation
*11-127	Oil Painting
54-487	Organic Chemistry 1
49-650	Organisational Psychology
16-885	Organization Theory
16-894	Organisation Theory 1
19-307	Organisation 1A
19-316	Organisation 1B

	SUBJECTS
28-905	Painters Estimating)
28-880	Painters Technology)
28-941	Painters Recording & Costing
10-744	Painting 1AS
82-150	Painting, Sign & Dec. Stg 1
82-169	Painting, Sign & Dec. Stg 2
82-178	Painting, Sign & Dec. Sg 3
87-146	Panelbeating Stg 1
87-155	Panelbeating Stg 2
87-164	Panelbeating Stg 3
95-088	Pastrycooking Stage 1
48-657	Pathology 1
48-675	Pathology 2
59-774	Pattern Cutting 1
60-554	Pattern Cutting 2
16-928	Personnel Management
16-937	Personnel Management Advance)
19-334	Personnel Records
19-282	Personnel Selection
16-946	Personnel Techniques
45-667	Pest Control 1
45-694	Pest Control 2
65-197	Philosophy 1
34-416	Photogrammetry 1 (New)
34-531	Photogrammetry for Surveyors
34-513	Photogrammetry 2 (New) Theory
55-718	Physics 1
55-116	Physics 2D
55-754	Physics 2
55-125	Physics 3D
15-165	Physiology & Anatomy IAII
45-223	Pig Husbandry
29-938	Police Supervision Techniques A
20-947	Police Supervision Techniques B
54-326	Pool Operation Theoretical
42-622	Pool Plant
*11-473	Pottery
13-372	Power Hydraulics 1
40-130	Power Station Plant
29-023	Powers and Duties A
29-032	Powers and Duties B
16-247	Practice & Procedure 1
34-106	Principles of Cartography
48-499	Principles of Public Health
24-189	Principles of Flight 1
24-082	Principles of Flight 2
10-595	Product Illustration 1
16-982	Production Organization
52-339	Programming 1 Basic
51-196	Programming 1 (Basic Plus)
52-345	Programming 1 (Pascal)
51-239	Programming 2 (Cobol)

SUBJECTS

51-220	Programming 2 (Fortron)
46-642	Project Planning Agriculture
49-128	Psychology 1
49-155	Psychology 1G
49-216	Psychology 2A
49-289	Psychology 2B
48-532	Public Health Administration
17-037	Public Relations
17-657	Quantitative Methods A
17-666	Quantitative Methods B
28-233	Quantities 1B
28-242	Quantities 2B
28-251	Quantities 3B and Pricing
34-355	Quarrying 1
34-364	Quarrying 2
57-671	Radar
57-918	Radar Master Class 4
57-972	Radar Master Class 5
24-426	Radio Navigation Aids
15-837	Real Estate Accounting
19-680	Real Estate & Business Sales Representative Course
15-828	Real Estate Finance
15-846	Real Estate Law 1
15-855	Real Estate Law 2
18-429	Real Estate Law 3
15-925	Real Estate Practice 1
15-934	Real Estate Practice 2
15-873	Real Estate Valuation 1
19-194	Real Estate Valuation 2
22-660	Receptionist Function
18-881	Records Management
40-750	Refrigeration & Air Conditning Plant 1A
35-321	Refrigeration & Air Conditning Principles (Parts 1 & 2)
90-171	Refrgrtn Fitt. Stg 1
90-180	Refrgrtn Fitt. Stg 2A (old St 2)
90-199	Refrgrtn Fitt. Stg 2B (old St 3)
90-205	Refrgrtn Fitt. Stg 3 (old St 4)
15-882	Regional Planning
28-507	Rigging
32-137	Road Construction
32-155	Roads and Railways

	SUBJECTS
19-477	Safety 1A
19-486	Safety 1B
17-851	Salesmanagement
17-107	Salesmanship
17-833	Sales Supervision A
17-842	Sales Supervision B
17-055	Sales Supervision
22-581	Secretarial Administration
45-348	Shearing Machining Experting
45-311	Sheep Husbandry 1
45-320	Sheep Husbandry 2
46-208	Sheep Management
86-082	Sheetmetal Stage 1 (TES)
86-091	Sheetmetal Stage 2A (TES)
86-107	Sheetmetal Stage 2B (TES)
86-143	Sheetmetal Stage 3 (TES)
85-113	Sheetmetal Work Stg 1
85-122	Sheetmetal Work Stg 2
85-131	Sheetmetal Work Stg 3
85-140	Sheetmetal Work Stg 4
57-741	Ship Construction 1
57-981	Ship Knowledge Master Class 5
22-633	Shorthand 50 wpm (2000))
22-633	Shorthand 50 wpm (New Era))
22-855	Shorthand Speed
22-226	Shorthand Speed 80 wpm
22-244	Shorthand Speed 100 wpm
22-147	Shorthand Speed (New Era))
22-147	Shorthand Speed (2000))
22-305	Shorthand Teachers Diploma Pitman
*63-243	Short Story Writing
*63-252	Short Story Writing (Advanced)
57-556	Small Craft Navigation
57-565	Small Craft Seamanship
17-550	Social and Economic Structure
49-827	Social Science 1
49-836	Social Science 2A
49-854	Social Science 3
49-447	Social Statistics
49-960	Society & Culture
66-312	Sociology 1
49-845	Sociology 2
17-392	Sociology and Economics
48-523	Sociology of Health
60-031	Soft Furnishing 1C
*60-244	Soft Furnishings
32-085	Soil Mechanics 1
45-490	Soil Science 1A
45-506	Soil Science 2A
64-477	Spanish 1
64-486	Spanish 2
64-495	Spanish 3
55-921	Spectrometric Methods 1

	SUBJECTS
87-243	Spray Painting Stg 1
87-252	Spray Painting Stg 2
87-261	Spray Painting Stg 3
52-117	Statistical Methods
52-056	Statistics
42-367	Steam Engine Driving
22-314	Stenography 1
22-527	Stenography 2
22-572	Stenography 3
40-714	Strength Analysis
62-125	Strctre & Fnctn of Food Animals
32-386	Structures 1
32-395	Structures 2
49-757	Student Care (Case Studies)
17-161	Supervision (Elements of)
34-373	Surface Mining 1
34-382	Surface mining 2
34-276	Survey Computations 1
34-391	Survey Computations 2
34-221	Surveying 1
34-498	Surveying 2
34-197	Surveying 1E
57-529	Survival at Sea
19-042	Taxation Law and Practice A
19-051	Taxation Law and Practice B
66-260	Teaching English as a Second or Foreign Language
16-089	Techniques ofSelection
40-699	Thermodynamics 1
84-192	Timber Machining Stage 1
28-598	Timber Practice and Technology
52-630	Trade Mathematics 2
17-259	Transport Economics
20-497	Transport 1A
20-503	Transport 1B
20-512	Transport 2A
20-521	Transport 2B
19-112	Transport 2

SUBJECTS

17-240	Transport, Elements of
19-121	Transport Law A)
19-130	Transport Law B)
22-606	Typing 1
22-615/	Typing 2 &)
22-624	Typing 3)
22-563	Typing Speed
32-396	Typing Secretarial
22-402	Typewriting Teachers' Diploma
45-357	Veterinary Science 1
45-366	Veterinary Science 2
17-967	WA Labour Law
19-185	Warehouse Management
*11-084	Watercolour Techngs. (Lndscpe)
*11-093	Watercolour Techngs. (Advncd)
32-216	Water Spply Swrge & Refuse Disposal
85-636	Welding Stg 1
85-645	Welding Stg 2A (old Stg 2)
85-654	Welding Stg 2B (old Stg 3)
85-663	Welding Stg 3 (old Stg 4)
49-401	Welfare Law and Procedures A
49-933	Welfare Practice 1A
49-979	Welfare Practice 1B
84-244	Wood Machining Stage 1
45-375	Woolclassing 1
45-384	Woolclassing 2
22-800	Word 11 (Beg)
37-460	Workshop Practice C Electrical
37-169	Workshop Electronics
42-792	Workshop 1M
17-347	Work Study 1
47-070	Zoology 1A
47-089	Zoology 2A

LEGEND

* No print run in current year - economy of scale policy
T Other WA TAFE Colleges
I Interstate TAFE Colleges
H High Schools
O Other
S Short courses, mobiles

WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY

UNITS FOR EXTERNAL STUDY ARE AVAILABLE IN THE FOLLOWING COURSES

Business and Administration

F Bachelor of Business
Major - Accounting
Financial Management and Economics
Marketing

F Graduate Diploma in Business

F Graduate Diploma in Business (Educational Administration Stream)

F Diploma in Educational Administration

P Associate Diploma in Valuation

Arts, Education and Social Sciences

P Bachelor of Arts (English)

P Associate Diploma in English

F Bachelor of Education (Conversion Course)

P Diploma of Teaching (TAFE)

P Bachelor of Applied Science (Library Studies)

P Bachelor of Applied Science (Social Work)

F Bachelor of Arts (Social Sciences)

P Bachelor of Arts (Asian Studies)

F Associate Diploma in Social Science

Engineering and Science

P Graduate Diploma in Medical Radiography (Advanced Techniques)

P Graduate Diploma in Medical Radiography (Administration)

P Bachelor of Applied Science (Biology)

P Bachelor of Applied Science (Applied Chemistry)

P Bachelor of Applied Science (Mathematics)

P Bachelor of Applied Science (Physics)

Engineering and Science (cont)

P Associate Diploma in Agriculture

P Bachelor of Applied Science (Surveying and Mapping)

P Bachelor of Engineering

F Graduate Diploma in Science Education

F Master of Applied Science (Science Education)

Health Sciences

P Bachelor of Applied Science (Home Economics)

P Bachelor of Applied Science (Psychology)

P Bachelor of Applied Science (Nursing)

F Bachelor of Applied Science (Occupational Therapy)

P Graduate Diploma in Occupational Safety and Health

Western Australian School of Mines

F Graduate Diploma in Metallurgy (Extractive Metallurgy)

P Bachelor of Applied Science (Mining Engineering)

P Bachelor of Applied Science (Extractive Metallurgy)

P Bachelor of Engineering (Mining Engineering,

P Associate Diploma in Mining and Mineral Technology

F = the full course is available externally

P = the course is partially available externally

Detailed information on courses is available in the WAIT Handbooks which may be purchased from the bookshop.

PROGRAMMES AND COURSES IN THE EXTERNAL MODE

WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY

THE AVAILABILITY OF UNITS SHOWN ON THIS LIST ARE SUBJECT TO CHANGE

KEY
A First Semester External
B Second Semester External
A & B Available Both Semester
C Full Year Unit
* in Charge of Unit

INDEX NO	SEM	CR PT	UNIT TITLE
9740	A....	18	ACCOUNTING 151
9745	....B	18	ACCOUNTING 152
9748	....B	24	ACCOUNTING 203
9741	A....	24	ACCOUNTING 204
9746	A....	24	ACCOUNTING 205
9742	A....	24	ACCOUNTING 306
9747	A....	24	ACCOUNTING 307
9743	....B	24	ACCOUNTING 308
			ACCOUNTING 509
5699	....B	24	ACCOUNTING 550
1966	A....	20	ADMINISTRATION (ED) 361
1968	....B	20	ADMINISTRATION (ED) 363
1969	A....	20	ADMINISTRATION (ED) 364
1970	....B	20	ADMINISTRATION (ED) 365
1971	....B	20	ADMINISTRATION (ED) 391
8976	A....	22	ANIMAL BIOLOGY 201
8977	....B	22	ANIMAL BIOLOGY 202
7367	A....	16	ANTHROPOLOGY 111
1973	....B	16	ANTHROPOLOGY 115
7370	....B	20	ANTHROPOLOGY 214
1974	A....	20	ANTHROPOLOGY 215
8572	A....	20	ANTHROPOLOGY 216
8782	....B	20	ANTHROPOLOGY 218
3870	....B	30	ANTHROPOLOGY 314
3871	A....	30	ANTHROPOLOGY 315
3802	A....	20	ANTHROPOLOGY 316
3873	....B	30	ANTHROPOLOTY 318
9749	A....	24	AUDITING 301
9750	....B	24	AUDITING 302
5219	....B	20	AUSTRALIAN SOCIETY 214
1576	A....	22	AUSTRALIAN STUDIES 111
1577	....B	22	AUSTRALIAN STUDIES 112
2661	....B	22	AUSTRALIAN STUDIES 211
2662	A....	22	AUSTRALIAN STUDIES 212
9338	A....	30	AUSTRALIAN STUDIES 393 (Aust Stud & Cont. Fiction)

INDEX NO	SEM	CR PT	UNIT TITLE
7419	A....	25	BEHAVIOURAL SCIENCE 261
7420	....B	20	BEHAVIOURAL SCIENCE 262
			BIBLIO ORGS 201
			BIBLIO ORGS 202
2897	A....	10	BIOLOGICAL SCIENCE 261
2898	....B	10	BIOLOGICAL SCIENCE 262
7048	A....	26	BIOLOGY 101
7049	....B	26	BIOLOGY 102
6702	....B	12	BIOLOGY EDUCATION 503
1476	....B	16	BIOSCIENCE 152
	A....		BUILDING 181
	....B		BUILDING 182
5721	A & B	24	BUSINESS 595
9755	A....	24	BUSINESS COMMUNICATION 150
7266	A & B	12	BUSINESS MATHEMATICS 015
5254	A....	24	BUSINESS POLICY 511
5233	A....	10	BUSINESS SYSTEMS 151
			BUSINESS SYSTEMS 201
			BUSINESS SYSTEMS 301
8042	A....	8	CALCULUS OF OBSERVATIONS 281
8043	....B	8	CALCULUS OF OBSERVATIONS 282
7072	A....	12	CARTOGRAPHY 181
7073	....B	12	CARTOGRAPHY 182
7039	A....	30	CHEMISTRY 101
7040	....B	30	CHEMISTRY 102/116/144
7052	A....	26	CHEMISTRY 115
7053	....B	26	CHEMISTRY 116
7045	A & B	12	CHEMISTRY 171
7726	A & B	16	CHEMISTRY 187
6703	....B	12	CHEMISTRY EDUCATION 504
8046	A....	12	COMPUTATIONS 281
8047	....B	12	COMPUTATIONS 282
9764	....B	24	CONSUMER BEHAVIOUR 200
8482	....B	10	CONSUMER LAW 212
9762	A....	18	DECISION SUPPORT 151
8985	....B	18	DECISION SUPPORT 151
9744	A & B	18	ECONOMICS (MICRO) 151
9793	A & B	18	ECONOMICS (MACRO) 152
9751	A....	24	ECONOMICS (INDUSTRIAL) 201
9792	....B	24	ECONOMICS (MACRO-POLICY) 202
3414	A....	24	ECONOMICS (INTERNATIONAL) 311
3415	....B	24	ECONOMICS (PUBLIC) 312
			ECONOMICS 533
5697	A & B	24	ECONOMICS (BUS. ECONS) 550
5259	....B	24	ECONOMICS 561
5260	A....	24	ECONOMICS 562
2846	A....	15	ED 201 COMMUNICATION STUDIES
2851	....B	18	ED 202 COMMUNICATION STUDIES

INDEX NO	SEM	CR PT	UNIT TITLE
2847	A....	18	ED 230 INTRO TO TAFE TEACHING
2852	....B	15	ED 233 EDUC MEDIA & MATS
2848	A....	18	ED 236 STRAT OF TAFE TEACH I
2849	A....	18	ED 237 THEORY & PRACT W/SHOP 1
2864	....B	18	ED 238 THEORY & PRACT W/SHOP 2
2850	A....	30	ED 239 INTERNSHIP I
2865	....B	30	ED 240 INTERNSHIP II
2853	A....	18	ED 267 CURR & INSTRUT I
8490	....B	18	ED 300 DEVELOPMENT & LEARNING
3749	....B	18	ED 304 TAFE IN AUSTRALIA
9444	....B	16	ED 307 PHILOSOPHY OF EDUCATION
9447	A....	16	ED 309 POLITICS OF EDUC IN AUST
3718	....B	16	ED 312 ASS EDUC ACHIEVEMENT
			ED 313
9443	....B	16	ED 314 LRNG PRBLMS IN THE CLASSROOM
9464	A....	16	ED 317 EXCEPTIONALITY
3719	....B	16	ED 323 ABS MGRNTS & THE SCHOOL
9459		16	ED 325 TEACH MULTICULT CLASSRM
3745	A....	18	ED 327 EVAL. OF STUDENT LRNG.
3746	A....	18	ED 328 THE PSYCH OF ADOLESCENTS & ADULTS
3753	A....	18	ED 329 TECHNOLOGY, SOCIETY & EMPLOYMENT
3711	....B	18	ED 330 ANALYSIS OF TEACHING
3750	....B	18	ED 336 STRAT. OF TAFE TEACH II
3747	A....	9	ED 337 THEORY & PRACT WKSHOP III
3751	....B	9	ED 338 THEORY & PRACT WKSHOP IV
3748	A....	30	ED 339 INTERNSHIP III
3752	....B	30	ED 340 INTERNSHIP IV
9456	A....	16	ED 344 PLAY
8997	A....	16	ED 345 PERSPECT ON CHANGE ECE
9467	....B	16	ED 346 ECE INTEGR THEORY & PRAC
9461	A....	16	ED 353 INSTRUCTIONAL TECHNOLOGY
3730	....B	16	ED 355 INSTRUCTIONAL DESIGN
3712	A....	18	ED 360 SCHL BASED CURR DEV
3754	....B	18	ED 367 CURRICULUM & INSTRUCT II
9471	....B	16	ED 369 RECENT DEV IN READING
3733	A....	16	ED 372 LANG EXP METH OF INST
3714	A....	16	ED 378 MUSIC IN SCH - GRTH PER
3736		16	ED 382 CURR INST ADV/ECE/PM
4213	....B	18	ED 400 LANGUAGE & LOGIC IN ED
4212	A & B	18	ED 411 ISSUES IN EDUCATION
3723	A & B	18	ED 420 STRATEGIES OF TEACHING
4211	A & B	18	ED 430 STRATEGIES OF TCHNG ADV

INDEX NO	SEM	CR PT	UNIT TITLE
9499	A & B	18	ED 460 CURRICULUM THEORY & PRC
5246	A....	24	EDUCATIONAL (ADMIN) 550
5473	A....	24	EDUCATIONAL (ADMIN) 551
5307	....B	24	EDUCATIONAL (ADMIN) 555
5247	....B	24	EDUCATIONAL (ADMIN) 560
5182	A....	8	ENGINEERING PHYSICS 171
5175	....B	12	ENGINEERING PHYSICS 172
1523	A & B	8	ENGLISH 150
1526	A & B	8	ENGLISH 151
2806	A & B	24	FINANCE (INTRODUCTORY) 201
2807	A & B	24	FINANCE (MANAGERIAL) 212
9794	A....	24	FINANCE (PUBLIC) 303
5628	....B	24	FINANCE 555
1454		10	GEOGRAPHY 106
1436	A....	16	GEOGRAPHY 111
1437	....B	16	GEOGRAPHY 112
5220	....B	20	GEOGRAPHY 215
5221		20	GEOGRAPHY 216
5222		20	GEOGRAPHY 217
5225	....B	30	GEOGRAPHY 315
5226		30	GEOGRAPHY 316
5227		30	GEOGRAPHY 317
7814	A & B	12	GERONTOLOGY 150
1438	A....	16	HISTORY 111
1439	....B	16	HISTORY 112
2487	A....	20	HISTORY 211
2877	....B	20	HISTORY 215
2879		20	HISTORY 217
2880		20	HISTORY 218
3412	A....	30	HISTORY 311
3764	....B	30	HISTORY 315
3766		30	HISTORY 317
3767		30	HISTORY 318
8485	....B	20	HOME & CONSUMER STUDIES 212
9555	A....	20	HOME & CONSUMER STUDIES 351
9554	A....	16	HOME & CONSUMER STUDIES 352
3695	....B	12	HOME & CONSUMER STUDIES 356
1643	A & B	20	HUMAN BIOLOGY 183/181
1644	....B	20	HUMAN BIOLOGY 184/182
5611	A & B	16	HUMAN BIOLOGY 283
1720	A & B	20	ILS-101 USING INFORMATION
1721	A....	20	ILS-102 INFORMATION NEEDS
1722	A & B	20	ILS-103 INTRO TO LIBRARIES
1723	A & B	20	ILS-104 INFO ORGANISATION
3424	A & B	20	ILS-311 RESOURCES FORCHILDREN
3906		40	ILS-391 INDEPENDENT STUDY

INDEX NO	SEM	CR PT	UNIT TITLE
1630	A....	10	INDONESIAN 101
9796	A....	24	INDUSTRIAL RELATIONS 212
9797	....B	24	INDUSTRIAL RELATIONS 302
5266	A....	24	INDUSTRIAL RELATIONS 555
7383	*	16	INTRODUCTORY CHEMISTRY 151
7384	*	16	INTRODUCTORY CHEMISTRY 152
7431	A & B	12	INTRODUCTORY NUTRITION 151
1671	A....	44	LANG, LITERATURE & CULTURE 111
1672	....B	44	LANG, LITERATURE & CULTURE 112
1428	A & B	18	LAW (BUSINESS) 151
2842	A & B	18	LAW (CONTRACT) 152
2843	A & B	24	LAW (MERCANTILE) 205
2803	A....	25	LAW (SOCIAL WORK) 210
2844	A & B	24	LAW (CORPORATION) 224
3883	....B	24	LAW (INDUSTRIAL) 303
3534	....B	24	LAW (MEETING) 350 LAW (BUSINESS) 509
5253	....B	24	LAW (BUSINESS) 555
5469		24	LAW 564
5471	....B	24	LAW 565
5160	A & B	12	LEGAL ISSUES NURSING PRAC 260
			LIBRARIANSHIP SEMINAR 100
			LIBRARY MATERIALS 101
			LIBRARY MATERIALS 102
			LIBRARY MATERIALS 503
			LIBRARY MATERIALS 504
			LIBRARY SKILLS 100
2590	A &B	22	LITERATURE 211
2591	A & B	22	LITERATURE 212
2669	....B	22	LITERATURE 213
3490	A & B	30	LITERATURE 312
3579	A & B	30	LIT 393 (AUST ST & CONTEMP FICT)
5275	....B	24	MANAGEMENT 560
5698	A & B	24	MANAGEMENT 550
5248	A & B	24	MANAGEMENT 561
1718	A & B	18	MANAGEMENT PRINCIPLES 151
1719	A & B	18	MANAGEMENT PROCESS 152
5700	A & B	24	MANAGEMENT SCIENCE 550
5282	A & B	24	MARKETING 555
9719	A & B	24	MARKETING MANAGEMENT 211
7149	A....	16	MATHEMATICAL STATISTICS 101
7150	....B	16	MATHEMATICAL STATISTICS 102
7062	A....	20	MATHEMATICS 101
7063	....B	20	MATHEMATICS 102
7060	A....	16	MATHEMATICS 171
7161	....B	16	MATHEMATICS 172
8127	A....	20	MATHEMATICS 201

INDEX NO	SEM	CR PT	UNIT TITLE
8128	....B	20	MATHEMATICS 202 MATHEMATICS 301 MATHEMATICS 302
1931	A....	10	MICROBIOLOGY 111/261
1912	A....	16	MULTICULTURE ISSUES 111
1913	....B	16	MULTICULTURE ISSUES 112
7718	....B	10	NURSING 272
7421	A....	20	NURSING STUDIES 261
7424	....B	10	NURSING STUDIES 262
2644	A & B	24	OFFICE ADMINISTRATION 200
3894	....B	24	ORGANISATIONAL ANALYSIS 300 ORGANISATIONAL ANALYSIS 301 ORGANISATIONS 509
			OT#1 NEUROPHYSIOLOGY
2638	....B	16	OT#1=CLINICAL MEDICINE 241
8266	....B	16	OT#1=NEUROSCIENCE 242
			OT#2 MOVEMENT MECHANICS
8267	A....	14	OT#2=KINESIOLOGY 241
3647	A....	8	OT#2=OCCUPATIONAL THERAPY 349
			OT#3 VOCATIONAL PERFORMANCE
3646	....B	6	OT#3=OCC HEALTH & MAN 342
2785	....B	8	OT#3=OCCUPATIONAL HEALTH 242
			OT#4 NEUROLOGICAL OCC THER
8269	....B	20	OT#4=OCCUPATIONAL THERAPY 242
3213	....B	18	OT#4=OCCUPATIONAL THERAPY 341
			OT#5 DEVELOPMENTAL DISABILIT'S
2783	A....	14	OT#5=OCCUPATIONAL THERAPY 245
3645	A....	14	OT#5=OCCUPATIONAL THERAPY 347
			OT#6 PSYCHOSOCIAL PROCESSES
9264	A....	14	OT#6=OCCUPATIONAL THERAPY 343
9265	A....	16	OT#6=OCCUPATIONAL THERAPY 344
			OT#7 CLINICAL PRACTICE
4106	A & B	100	OT#7=OCCUPATIONAL THERAPY 441
5377	A & B	10	PATHOLOGY 500
3527	A & B	24	PERSONNEL 201
5287	A & B	24	PERSONNEL 555
7105	A....	26	PHYSICS 101
7106	....B	26	PHYSICS 102
8974	A....	22	PLANT BIOLOGY 201
2722	A....	16	POLITICS 111
2723	....B	16	POLITICS 112

INDEX NO	SEM	CR PT	UNIT TITLE
9738	A & B	24	POLITICS (AUST) 215
9739	....B	24	POLITICS (COMP) 216
8208	A....	20	POLITICS 221
			POLITICS 311
2733		30	POLITICS 392
5289	A....	24	POLITICS 503
5290	....B	24	POLITICS 504
2374	A & B	14	PRODUCTION 201
7818	A & B	20	PROFESSIONAL ETHICS 501
			PROGRAM USING BASIC
			PROGRAM USING FORTRAN
9720	....B	24	PROMOTION 211
1440	A & B	16	PSYCHOLOGY 113
1441	A & B	16	PSYCHOLOGY 114
2497	....B	16	PSYCHOLOGY 118
			QUANT METHODS 509
5380	A & B	20	RADIOGRAPHY 500
5376	A & B	20	RADIOLOGIC ANATOMY 500
5382	A....	20	RADIOLOGIC PHYSICS 500
1450	A & B	8	SCIENCE & SOCIETY 101
1451	A & B	8	SCIENCE & SOCIETY 102
7496	A....	16	SCIENCE IN A SOCIAL CONTEXT 161
7497	....B	16	SCIENCE IN A SOCIAL CONTEXT 162
2902	A....	18	SCIENCE IN A SOCIAL CONTEXT 261
2903	....B	18	SCIENCE IN A SOCIAL CONTEXT 262
8894	A....	24	SCIENCE IN A SOCIAL CONTEXT 263
8895	....B	24	SCIENCE IN A SOCIAL CONTEXT 264
7835	A....	18	SCIENCE IN A SOCIAL CONTEXT 561
7836	....B	18	SCIENCE IN A SOCIAL CONTEXT 562
8478	A & B	12	SOCIAL NUTRITION 251
8479	A & B	16	SOCIAL NUTRITION 252
9553		16	SOCIAL NUTRITION 351
7286	....B	20	SOCIAL SCIENCE 111
7287	A....	20	SOCIAL SCIENCE 112
			SOCIAL SCIENCE 215
			SOCIAL SCIENCE 392
2480	A....	20	SOCIAL THEORY 211
3409	A....	30	SOCIAL THEORY 321
1635	A & B	20	SOCIAL WORK 121
7365	A & B	16	SOCIOLOGY 121

INDEX NO	SEM	CR PT	UNIT TITLE
7366	A & B	16	SOCIOLOGY 122 SOCIOLOGY 315 SOCIOLOGY 316
1444	A & B	10	STATISTICS 111
1445	A & B	10	STATISTICS 112
6028	A & B	18	STATISTICS 511
5299	A & B	24	STATISTICS 513
7068	A....	18	SURVEYING 181
7069	....B	18	SURVEYING 182
3381	....B	24	TAXATION 303
3382	A & B	24	TAXATION 304
8691		24	URBAN STUDIES 302
8990	A....	18	VALUATION 121
8982	....B	18	VALUATION 122
2512	A....	24	VALUATION 201
2513	...B	24	VALUATION 202
8692		24	VALUATION 392
7410	A & B	10	WEATHER FORECASTING 101
7779	A & B	24	WELFARE PRACTICE 101
7780	A & B	24	WELFARE PRACTICE 102
7781	A & B	30	WELFARE PRACTICE 201
7782	A & B	30	WELFARE PRACTICE 202
7783	A & B	30	WELFARE PRACTICE 301
7784	A & B	30	WELFARE PRACTICE 302

INSTITUTION: Western Australian College of Advanced Education
YEAR: 1985

PROGRAMMES AND COURSES AVAILABLE IN THE EXTERNAL MODE

All courses listed below together with their unit offerings are fully available in the external mode.

Associate Diploma in Community Language Studies
Associate Diploma in Health Education
Diploma of Teaching Conversion
Bachelor of Education
Graduate Diploma in Special Education
Graduate Diploma in Physical Education
Graduate Diploma in Religious Education Studies
Graduate Diploma in Intercultural Studies
Graduate Diploma in Language Studies
Graduate Diploma in Translating/Interpreting

WA COLLEGE OF ADVANCED EDUCATION

EXTERNAL UNITS

Semester 1, 1985

UNIT	
AED 1101	Nature of Artistic Expression
AEX 4496	Current Issues in Art Education
AEX 3100	Perspectives on Art in Education
AIS 1160	Race & Ethnic Relations
AIS 3160	Aboriginal History & Cultural Change
AIS 4187	Traditional Aboriginal Society
AIS 4190	Cross Cultural Perspectives
AIS 4191	Intercultural Communication
AIS 4192	Intercultural Research
AIS 4193	Research Essay
AIS 4197	Developments in Migrant Education
AIS 4198	Perspectives on AustralianMigration
ART 4424	Core Ideas in 19th and 20th Century Art
ART 4525	Art in Australia
ARX 2100	Art History
ARX 4102	Approaches to Childrens Art
BIX 3100	Biology
CED 3201	Introduction to Faith Education
CED 3302	Teaching in Faith Education
CED 4201	Curriculum Design in Religious Ed.
COM 2202	Communications Education 2
COM 3303	Communications Education 3
COM 3332	TESL
COM 3334	Language Arts K-3
COX 1100	Communicating & The Use of Language
COX 3100	Children's Literature
COX 3102	Language Arts (ECE)
CST 2101	Contemporary Approaches to Biblical Studies
CST 4101	Sacraments and Christian Worship
CST 4201	Christology
EDU 1100	Education 1 (Carnarvon)
EDU 2400	Education 4
EDU 3160	Teaching Aboriginal Children (Broome)
EDU 3180	Improving Classroom Teaching
EDU 3500	Education 5 (Broome)
EDU 4140	Trends & Issues in Early Childhood Education
EDU 4141	Developmental Studies in Early Childhood
EDU 4370	Current Issues
EDU 4380	Classroom Processes & Effective Teaching

UNIT	
EDU 4474	Direct Instruction: Theory and Practice
EDU 4475	Behaviour Management 1
EDU 4476	Identification & Assessment
EDU 4571	Social Skills in Special Education
EDU 4700	Curriculum Theory & Practice
EDU 4701	Evaluation of Teaching & Learning
EDX 3101	Educational Measurement & Evaluation
EDX 3121	Educational Theory
EDX 3130	Behaviour Modification
EDX 3162	Aboriginal Education
EDX 4171	Foundation Studies 2
EDX 4172	Behaviour Management 2
EDX 4176	Graduate Project
EDX 4177	Communication
EDX 4178	Instructional Design
EIT 2300	Advanced English
ENX 4101	Advanced Language & Learning
ENX 4103	Current Issues in English Teaching
ENX 4112	Children & Fiction
HEC 4108	Research in Home Economics
HEC 4109	Occupational Home Economics
HIX 4100	Contemporary History
HMS 4224	Assimilated Substances
HMS 4304	Acquisition of Motor Skills
HMS 4306	Exercise Physiology
HMX 4100	Health
HST 1102	Health Education and the Health Care System
HST 1104	Child Development
HST 1201	Current Issues in Health Education
HST 2101	Teaching Strategies
HST 2208	Mass Communication Theory Practice
HST 2401	Field Study Project
HST 2402	Health Education Practicum
IND 4370	Design & Technology in Education
IND 4430	Industrial ArtsMajor Project
INT 1100	Interpreting & Translating I
INT 4001	Translation Theory
LED 4185	Second Language Teaching Principles
LED 4186	Advanced TESL
LED 4190	Advanced Method in Modern Languages
LED 4191	Language in Learning
LED 4286	Advanced TESL
LST 2191	Syntax
LST 4180	English & the Study of Language
LST 4283	Language Acquisition & Development
LST 4285	Language Variation in Society
LSX 3100	New Trends in Language Arts
MAT 4114	Surfaces
MAT 4161	History of Mathematics (Primary)

UNIT	
MAT 4360	Applied Algebra
MDE 4201	Issues in Media Education 1
MEX 3100	Mathematics Education 200
MPE 1101	Primary Maths Education 1 (C'von)
MDX 4100	Curriculum Studies in Maths
MST 4104	Children and the Media
MST 4404	Media Culture and Society
OPX 4100	Curriculum Studies in Phys. Ed.
OPX 4101	Curriculum Studies II
OPX 4105	Curriculum Studies I
PHE 4112	Issues in Health Education
POR 1100	Introductory Oral Portuguese
POR 1200	Introductory Written Portuguese
POR 1300	Basic Communicative Portuguese
POR 1400	Traditional Stories in Portuguese
POR 2501	Portuguese Press
POR 2504	Portuguese Trade & Industry
RDG 4101	Reading - Understanding the Process
RDG 4201	Teaching Reading as a Language Process I
RDG 4301	Teaching Reading as a Language Process II
RDG 4305	Evaluation Diagnosis & Remediation
RDG 4306	Reading in Secondary School
RDG 4310	Materials Books & Literature
RDG 4401	Language, Thought & Reading
RDG 4501	Clinical Methods in Reading
RDG 4601	Special Study
RDX 4100	The Study & Evaluation of Reading Language
REE 4102	Human Relationships & Values Educ.
REE 4301	Pastoral Care in Schools
REX 3101	Old Testament
REX 3102	Faith & the Person of Christ
REX 3103	The Christian Community & its Values
REX 3104	Celebrating the Christian Life
RST 4101	Religion Society & Education
RST 4206	Old Testament: The Torah
RST 4221	Hinduism & Buddhism
SCE 4302	Science Curricula
SCI 4444	Materials Water and the Environment
SCX 3101	Science Education
SDX 3100	Theatre History
SOX 2100	Contemporary Australian Society
SSE 1101	Social Science Education
SSX 3101	Historical Geography of WA
SSX 3102	Urban Australia
SSX 4101	Social Science
SSX 4102	History of WA
VIE 1100	Introductory Oral Vietnamese

UNIT	
VIE 1200	Introductory Written Vietnamese
VIE 1300	Basic Communicative Vietnamese
VIE 1400	Traditional Stories in Vietnamese
VIE 2500	Vietnamese Social Security
VIE 2503	Vietnamese Short Story
XNE 6050	Graphic Communication
XNE 6054	Materials
XNE 6480	Directed Study

* These units have been discontinued

** These units were used for students who had missed a previous sequence of offering or were completing awards under old structures.